

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011025\
 Data File : BN035908.D
 Acq On : 10 Jan 2025 18:56
 Operator : RC/JU
 Sample : Q1040-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP303-20250108

Quant Time: Jan 10 21:47:05 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)

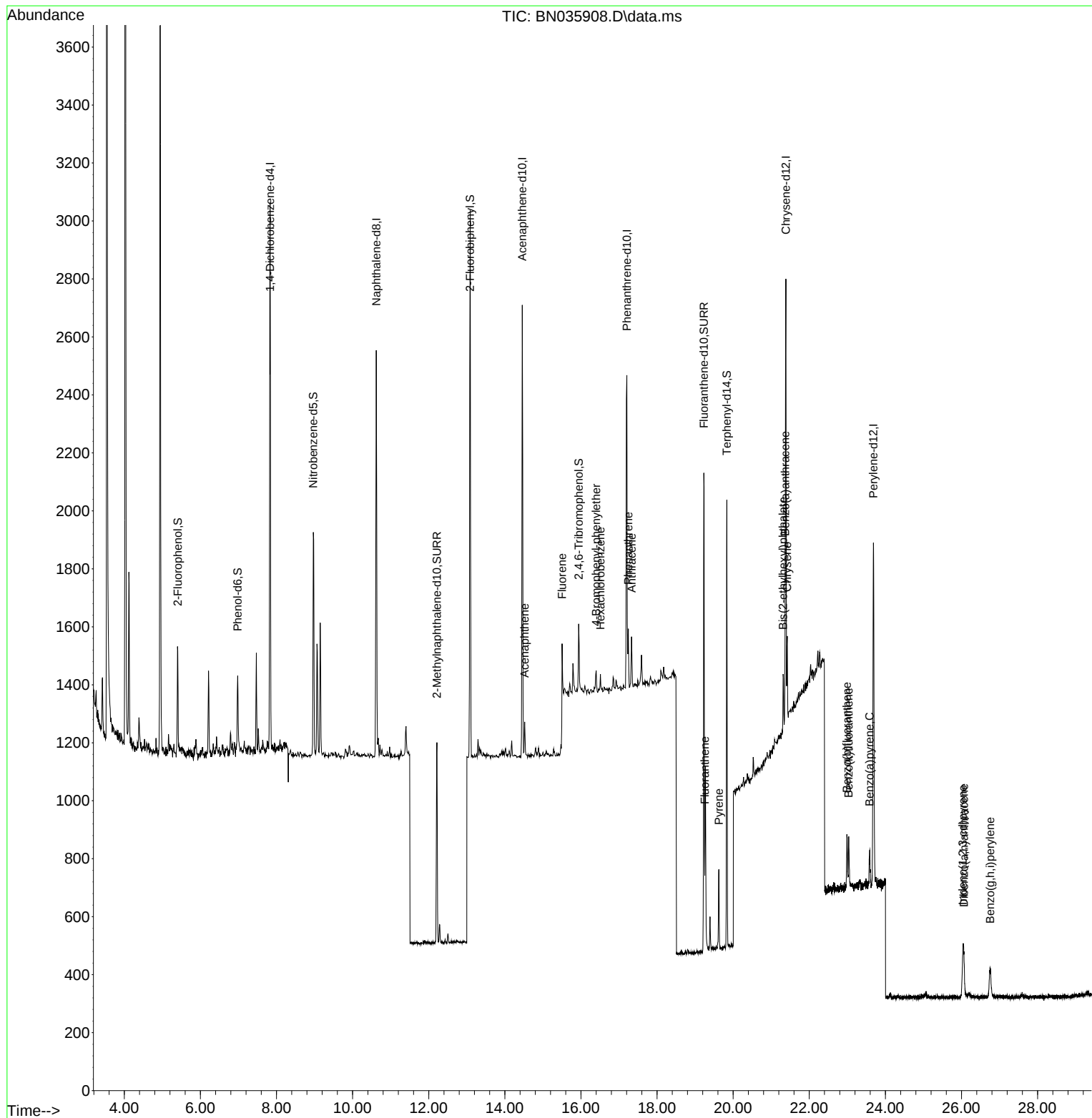
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.832	152	888	0.400	ng	0.00
7) Naphthalene-d8	10.622	136	1708	0.400	ng	0.00
13) Acenaphthene-d10	14.458	164	800	0.400	ng	0.00
19) Phenanthrene-d10	17.206	188	1628	0.400	ng	0.00
29) Chrysene-d12	21.385	240	1388	0.400	ng	0.00
35) Perylene-d12	23.686	264	1542	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.405	112	287	0.132	ng	0.00
5) Phenol-d6	6.980	99	198	0.073	ng	0.00
8) Nitrobenzene-d5	8.967	82	577	0.427	ng	-0.01
11) 2-Methylnaphthalene-d10	12.213	152	930	0.407	ng	0.00
14) 2,4,6-Tribromophenol	15.940	330	128	0.333	ng	-0.02
15) 2-Fluorobiphenyl	13.090	172	1520	0.433	ng	0.00
27) Fluoranthene-d10	19.230	212	1886	0.467	ng	0.00
31) Terphenyl-d14	19.833	244	1425	0.515	ng	0.00
Target Compounds						Qvalue
17) Acenaphthene	14.522	154	56	0.023	ng	92
18) Fluorene	15.506	166	75	0.028	ng	# 96
21) 4-Bromophenyl-phenylether	16.399	248	28	0.025	ng	90
22) Hexachlorobenzene	16.511	284	38	0.025	ng	# 66
25) Phenanthrene	17.243	178	188m	0.040	ng	
26) Anthracene	17.330	178	141	0.033	ng	95
28) Fluoranthene	19.257	202	249	0.045	ng	# 3
30) Pyrene	19.624	202	242	0.043	ng	96
32) Benzo(a)anthracene	21.367	228	209	0.043	ng	# 75
33) Chrysene	21.420	228	246	0.048	ng	# 75
34) Bis(2-ethylhexyl)phtha...	21.313	149	221	0.111	ng	# 93
36) Indeno(1,2,3-cd)pyrene	26.037	276	241	0.040	ng	# 74
37) Benzo(b)fluoranthene	22.990	252	242	0.046	ng	# 31
38) Benzo(k)fluoranthene	23.034	252	205	0.039	ng	# 26
39) Benzo(a)pyrene	23.587	252	195	0.043	ng	# 22
40) Dibenzo(a,h)anthracene	26.063	278	210	0.043	ng	# 16
41) Benzo(g,h,i)perylene	26.753	276	214	0.040	ng	# 41

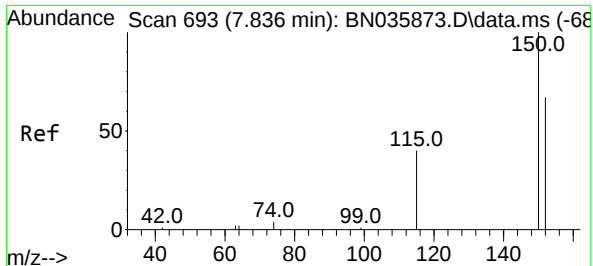
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011025\
Data File : BN035908.D
Acq On : 10 Jan 2025 18:56
Operator : RC/JU
Sample : Q1040-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250108

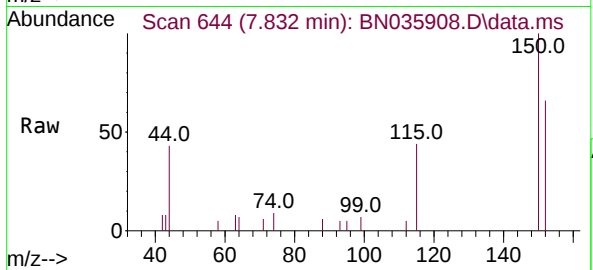
Quant Time: Jan 10 21:47:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN010225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 02 15:39:17 2025
Response via : Initial Calibration



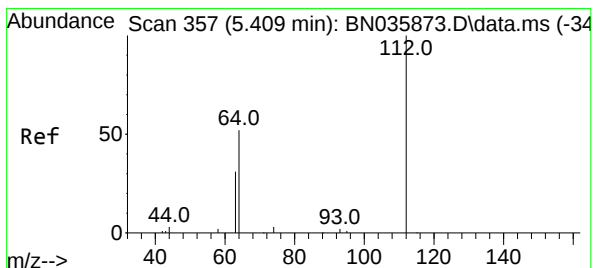
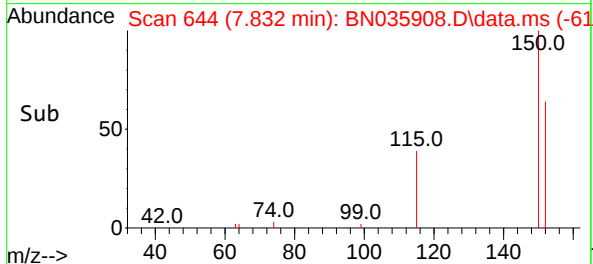
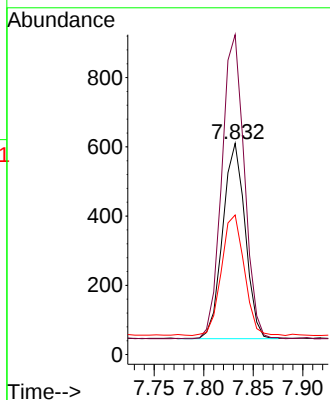


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.832 min Scan# 64
Delta R.T. -0.004 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250108

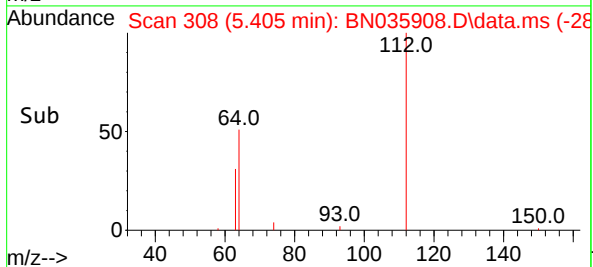
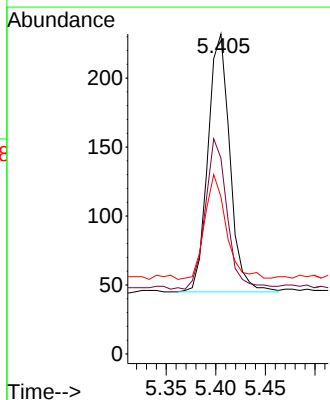
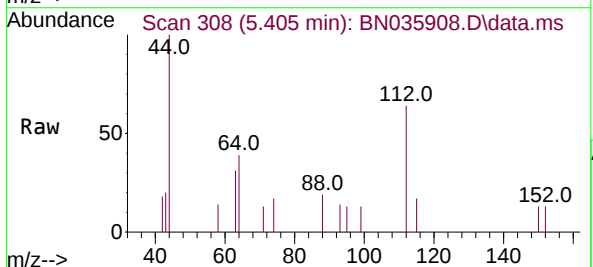


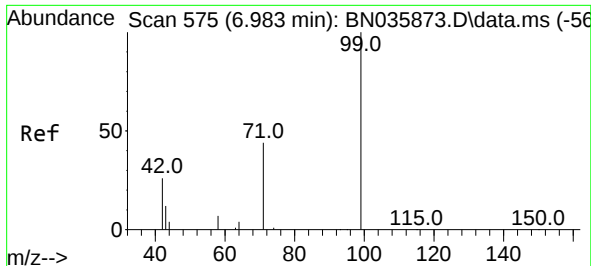
Tgt Ion:152 Resp: 888
Ion Ratio Lower Upper
152 100
150 151.5 117.8 176.6
115 66.1 51.0 76.4



#4
2-Fluorophenol
Concen: 0.132 ng
RT: 5.405 min Scan# 308
Delta R.T. -0.004 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

Tgt Ion:112 Resp: 287
Ion Ratio Lower Upper
112 100
64 58.2 48.2 72.2
63 40.4 30.0 45.0

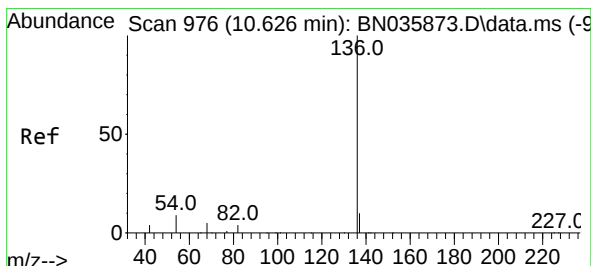
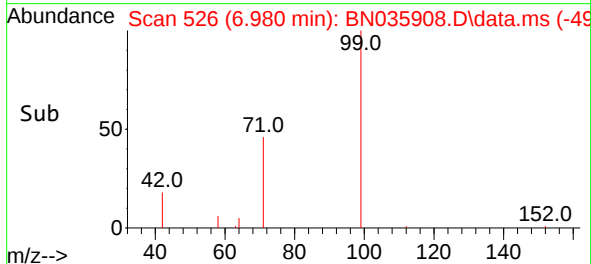
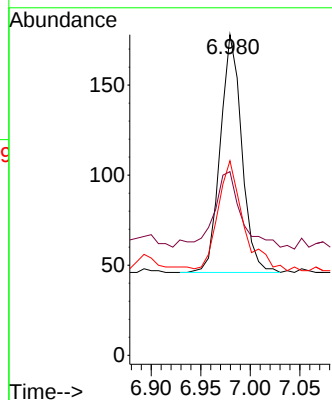
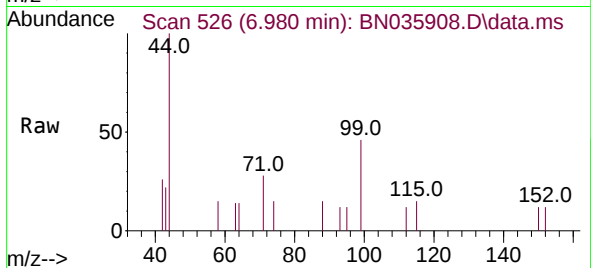




#5
Phenol-d6
Concen: 0.073 ng
RT: 6.980 min Scan# 51
Delta R.T. -0.004 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

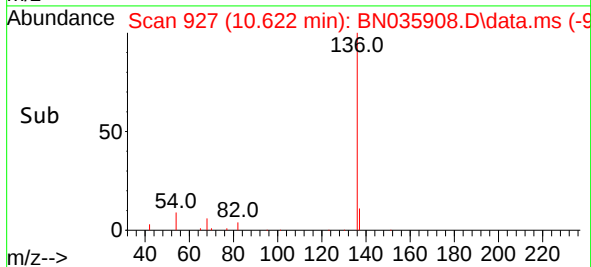
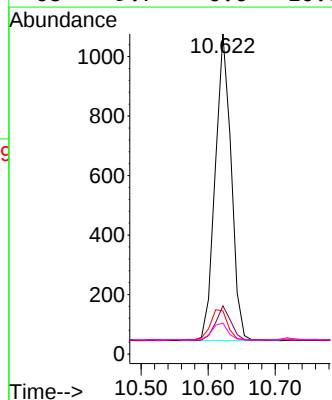
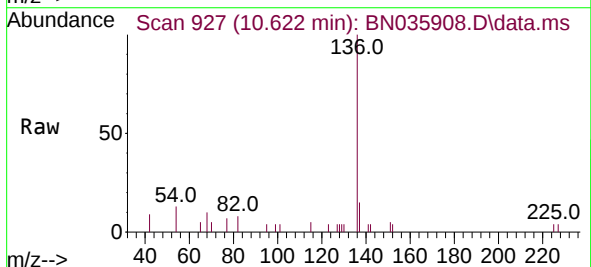
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250108

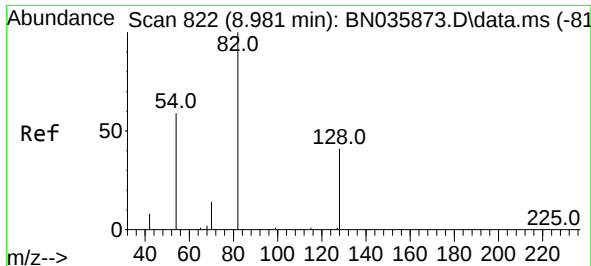
Tgt Ion: 99 Resp: 198
Ion Ratio Lower Upper
99 100
42 44.4 23.5 35.3#
71 55.1 35.5 53.3#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.622 min Scan# 927
Delta R.T. -0.004 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

Tgt Ion: 136 Resp: 1708
Ion Ratio Lower Upper
136 100
137 15.1 10.6 15.8
54 13.5 9.8 14.6
68 9.7 6.6 10.0

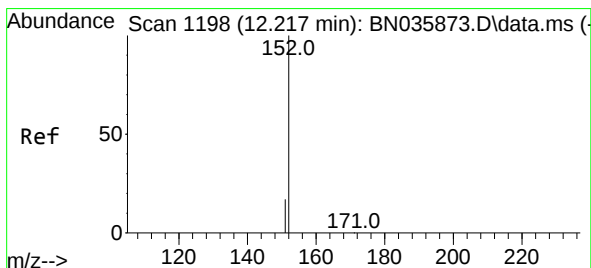
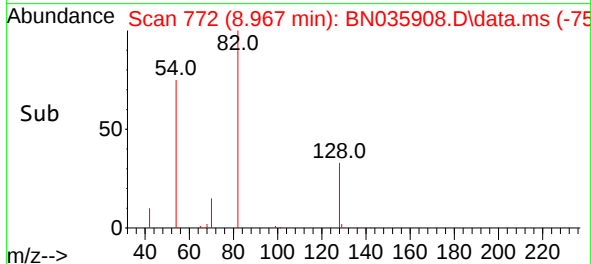
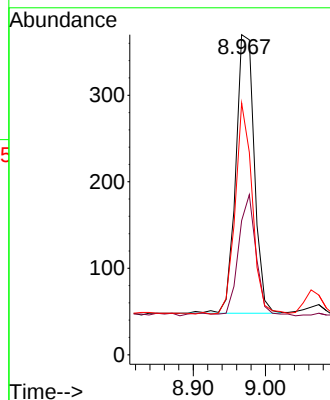
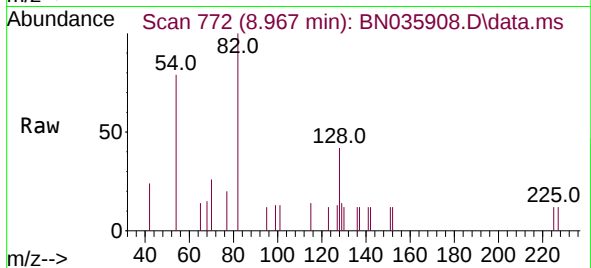




#8
Nitrobenzene-d5
Concen: 0.427 ng
RT: 8.967 min Scan# 71
Delta R.T. -0.014 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

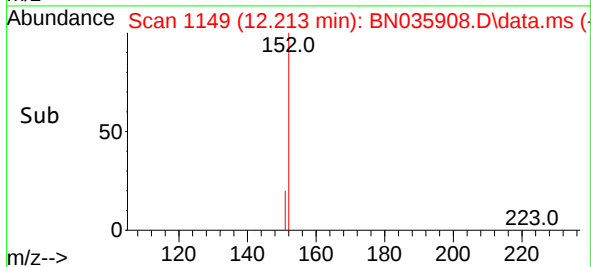
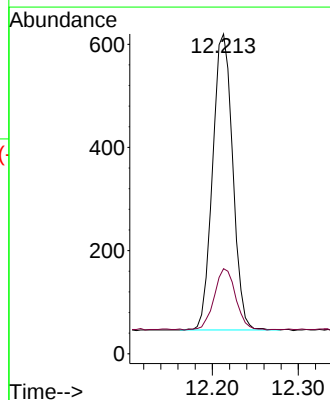
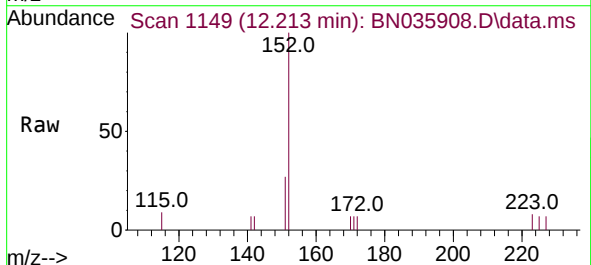
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250108

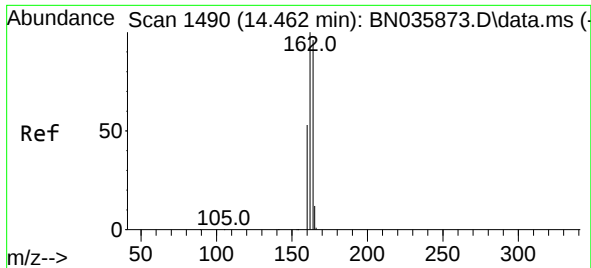
Tgt Ion: 82 Resp: 577
Ion Ratio Lower Upper
82 100
128 41.9 36.9 55.3
54 78.6 50.4 75.6#



#11
2-Methylnaphthalene-d10
Concen: 0.407 ng
RT: 12.213 min Scan# 1149
Delta R.T. -0.004 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

Tgt Ion:152 Resp: 930
Ion Ratio Lower Upper
152 100
151 22.4 17.0 25.6

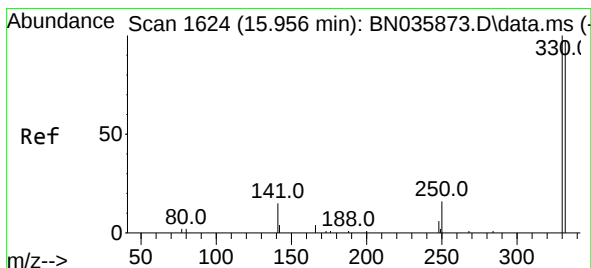
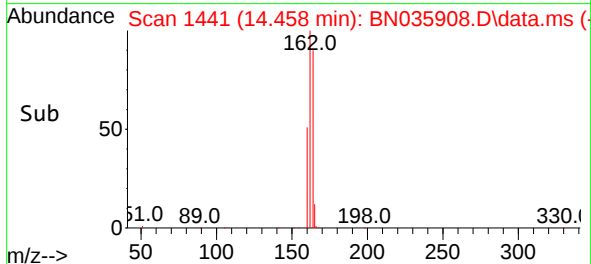
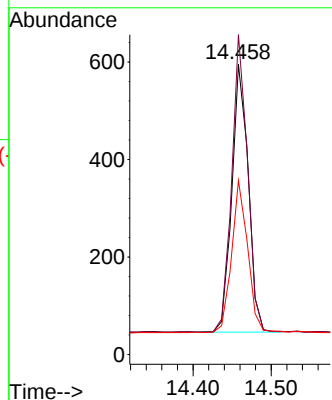
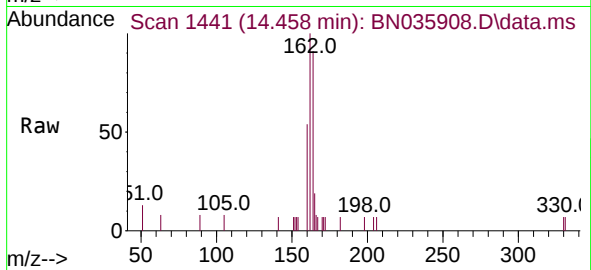




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.458 min Scan# 14
Delta R.T. -0.004 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

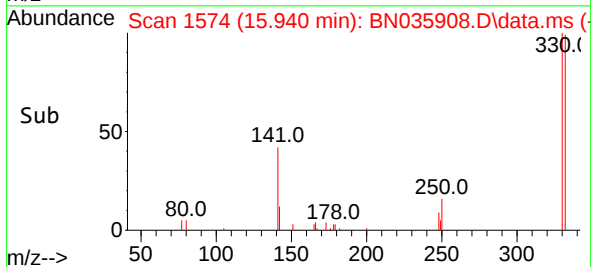
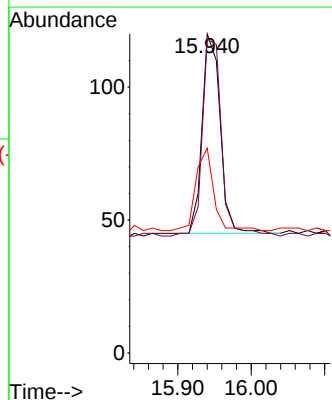
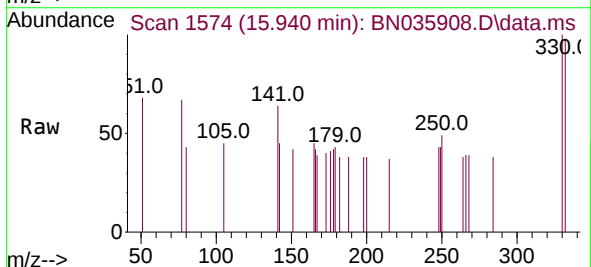
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250108

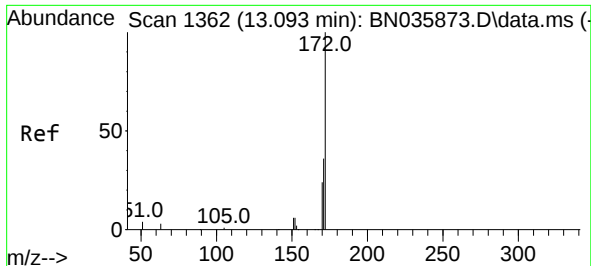
Tgt Ion:164 Resp: 800
Ion Ratio Lower Upper
164 100
162 110.3 83.1 124.7
160 60.0 46.0 69.0



#14
2,4,6-Tribromophenol
Concen: 0.333 ng
RT: 15.940 min Scan# 1574
Delta R.T. -0.016 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

Tgt Ion:330 Resp: 128
Ion Ratio Lower Upper
330 100
332 104.7 77.2 115.8
141 40.6 31.6 47.4

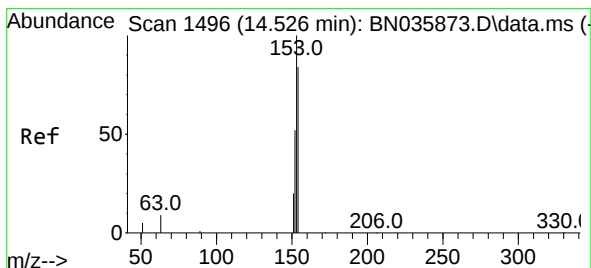
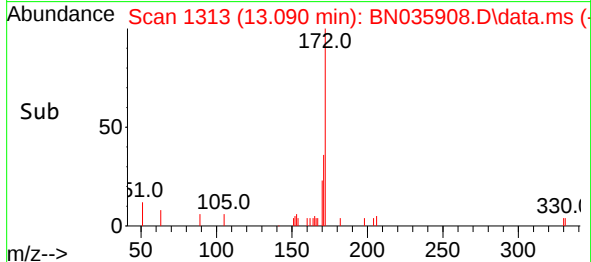
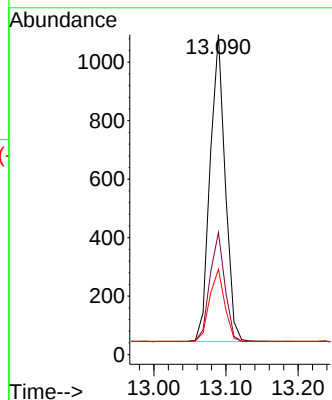
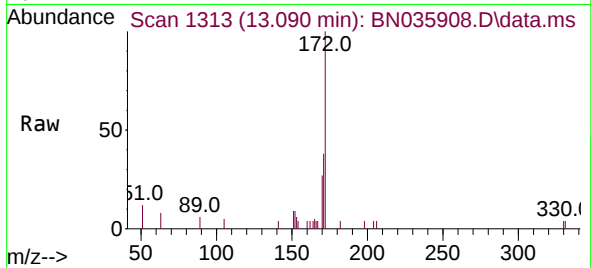




#15
2-Fluorobiphenyl
Concen: 0.433 ng
RT: 13.090 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

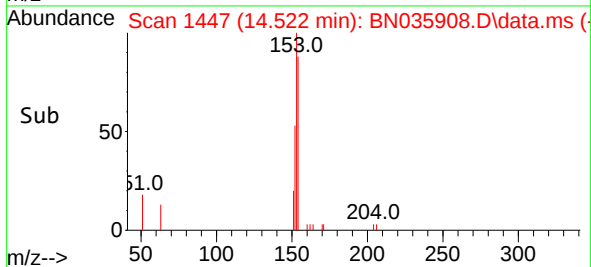
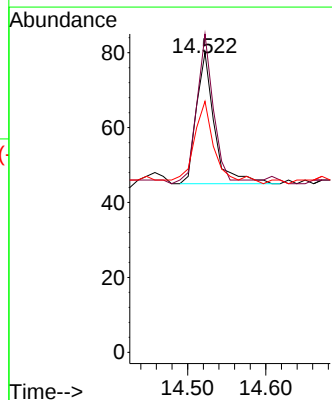
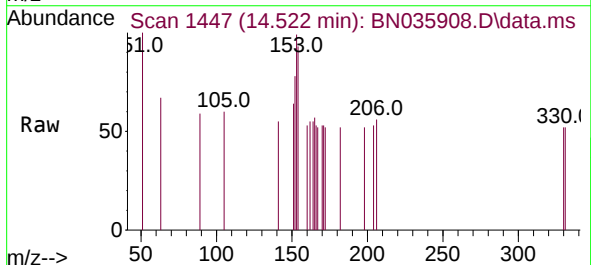
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250108

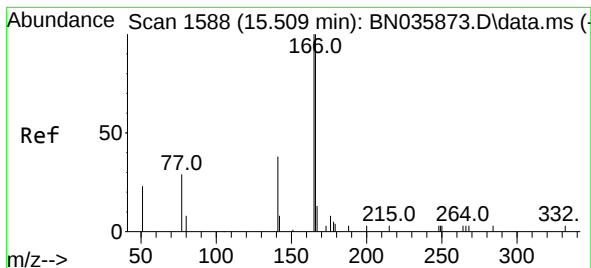
Tgt Ion:	172	Resp:	1520
Ion Ratio	Lower	Upper	
172	100		
171	38.2	30.5	45.7
170	26.7	20.8	31.2



#17
Acenaphthene
Concen: 0.023 ng
RT: 14.522 min Scan# 1447
Delta R.T. -0.004 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

Tgt Ion:	154	Resp:	56
Ion Ratio	Lower	Upper	
154	100		
153	107.1	90.5	135.7
152	71.4	48.6	73.0





#18

Fluorene

Concen: 0.028 ng

RT: 15.506 min Scan# 1

Delta R.T. -0.004 min

Lab File: BN035908.D

Acq: 10 Jan 2025 18:56

Instrument :

BNA_N

ClientSampleId :

RW5-SP303-20250108

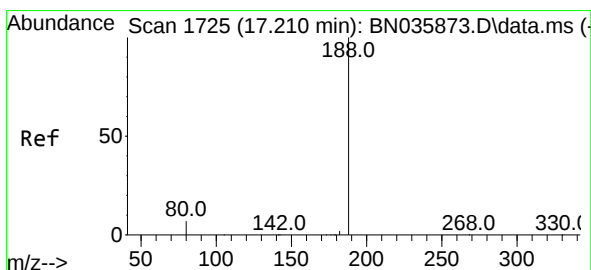
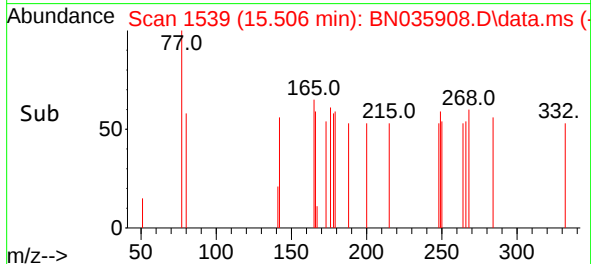
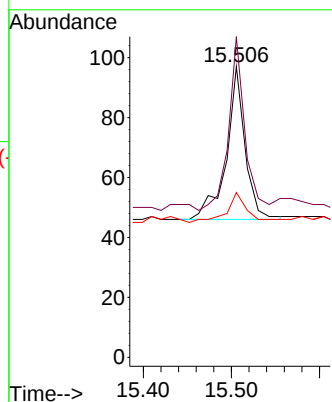
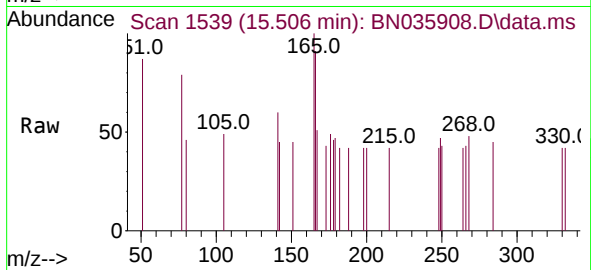
Tgt Ion:166 Resp: 75

Ion Ratio Lower Upper

166 100

165 98.7 80.6 120.8

167 21.3 11.4 17.0#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.206 min Scan# 1676

Delta R.T. -0.004 min

Lab File: BN035908.D

Acq: 10 Jan 2025 18:56

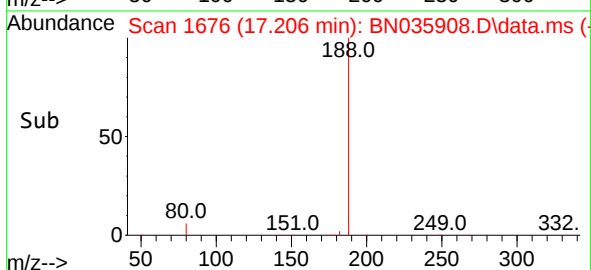
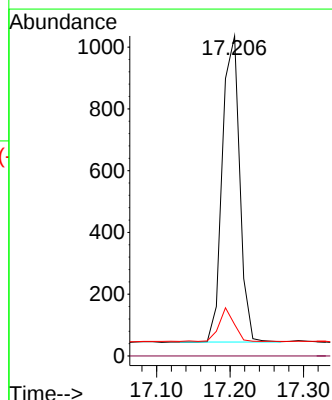
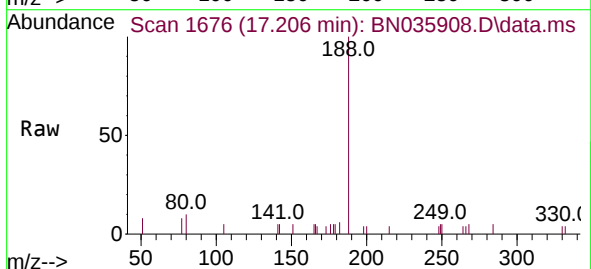
Tgt Ion:188 Resp: 1628

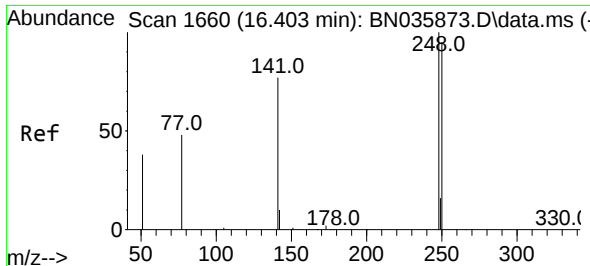
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.8 7.3 10.9

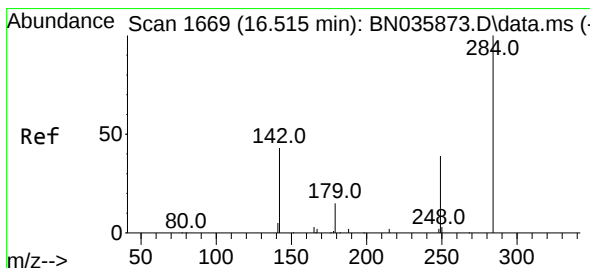
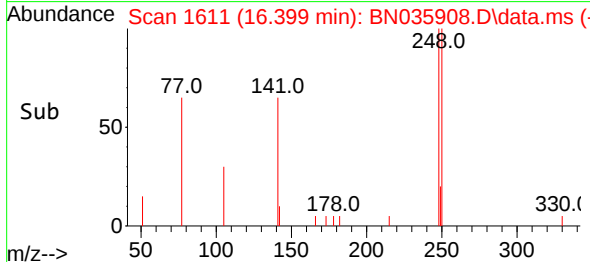
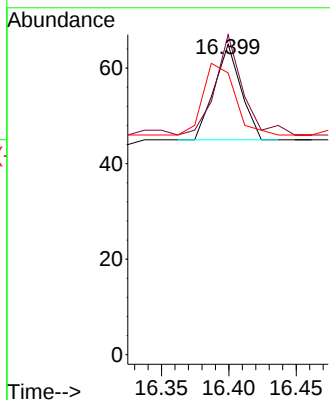
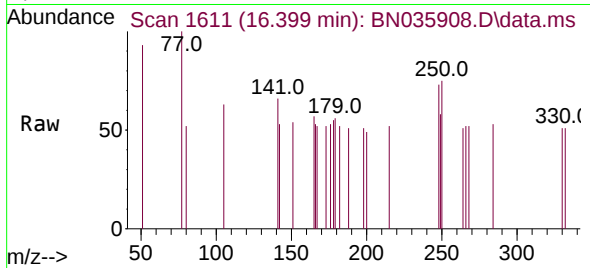




#21
4-Bromophenyl-phenylether
Concen: 0.025 ng
RT: 16.399 min Scan# 1620
Delta R.T. -0.004 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

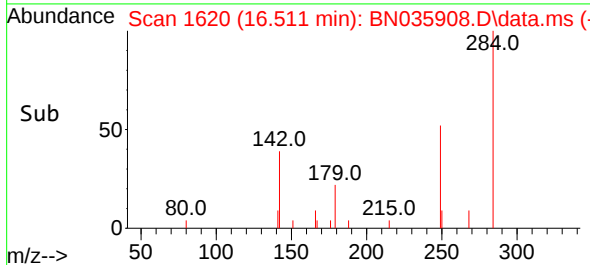
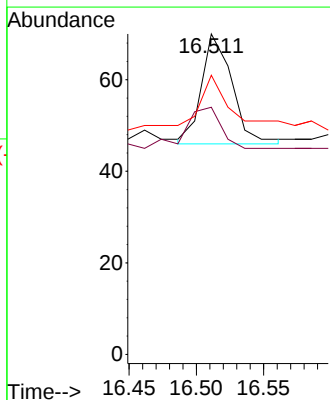
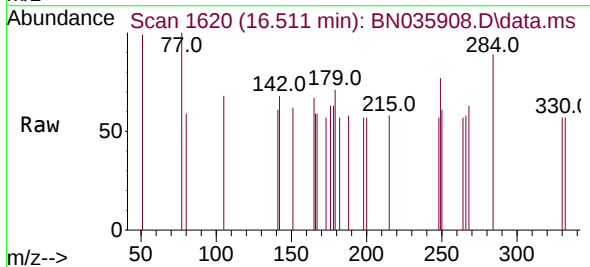
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250108

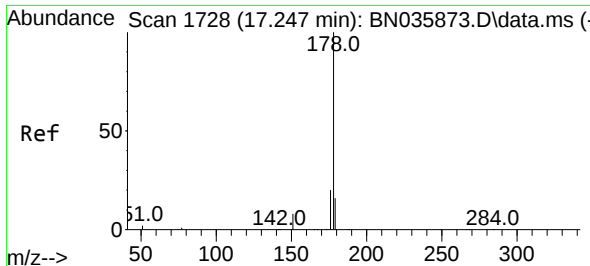
Tgt Ion:248 Resp: 28
Ion Ratio Lower Upper
248 100
250 103.1 76.8 115.2
141 90.8 63.6 95.4



#22
Hexachlorobenzene
Concen: 0.025 ng
RT: 16.511 min Scan# 1620
Delta R.T. -0.004 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

Tgt Ion:284 Resp: 38
Ion Ratio Lower Upper
284 100
142 42.1 31.4 47.0
249 73.7 27.8 41.8#

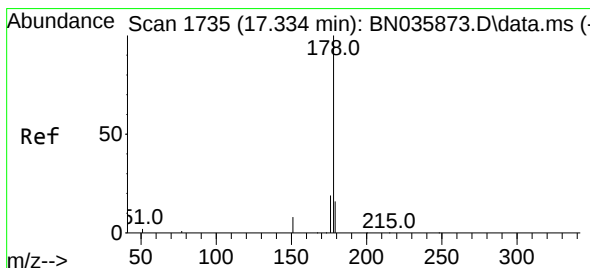
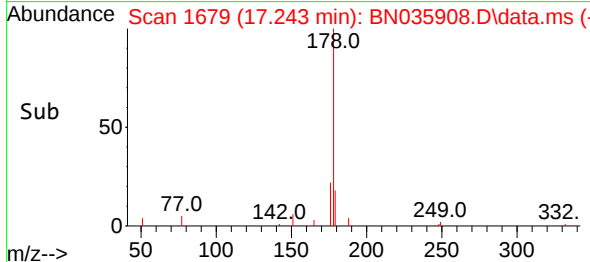
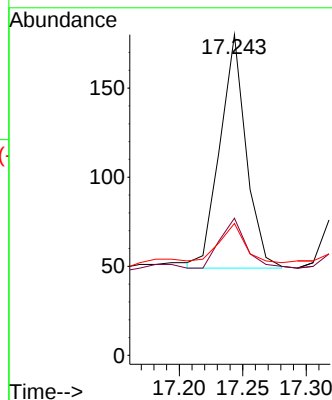
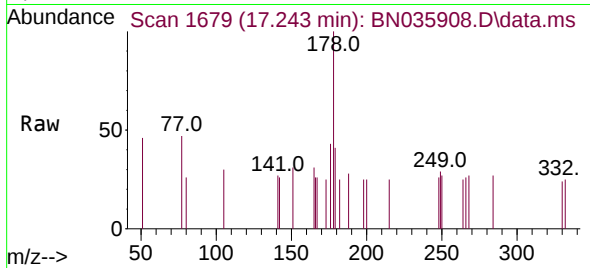




#25
Phenanthrene
Concen: 0.040 ng m
RT: 17.243 min Scan# 1685
Delta R.T. -0.004 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

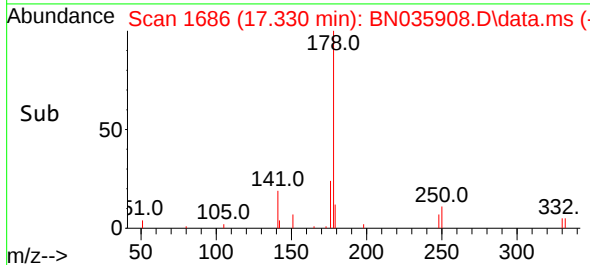
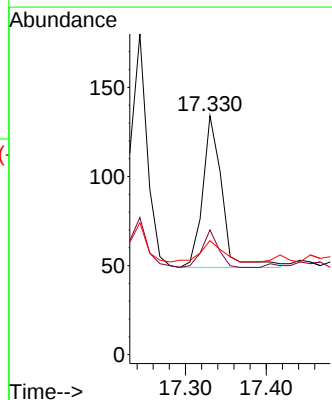
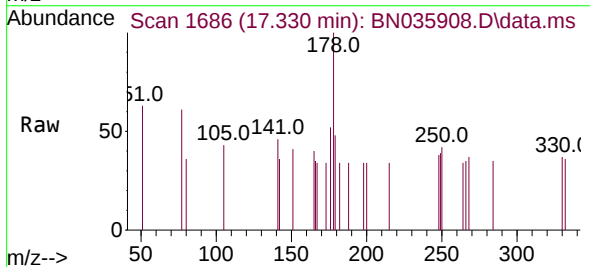
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250108

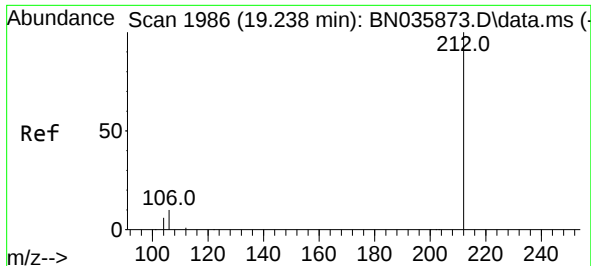
Tgt Ion:178 Resp: 188
Ion Ratio Lower Upper
178 100
176 16.0 15.9 23.9
179 11.7 12.9 19.3#



#26
Anthracene
Concen: 0.033 ng
RT: 17.330 min Scan# 1686
Delta R.T. -0.004 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

Tgt Ion:178 Resp: 141
Ion Ratio Lower Upper
178 100
176 21.3 15.0 22.6
179 17.7 13.0 19.6

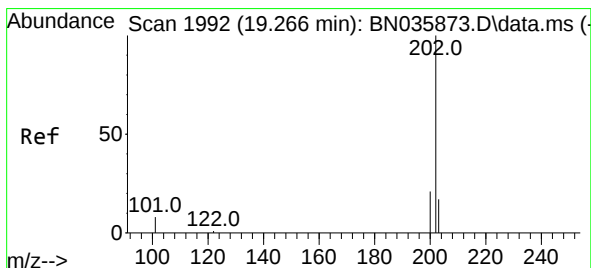
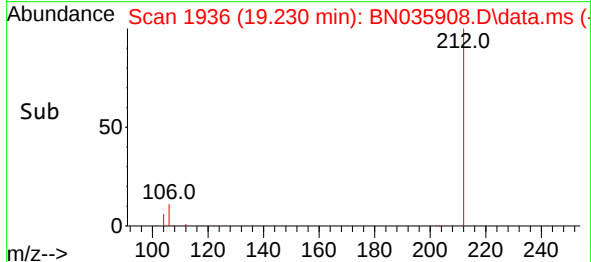
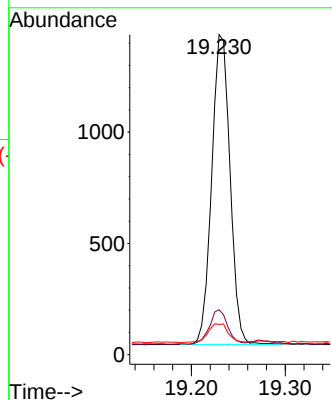
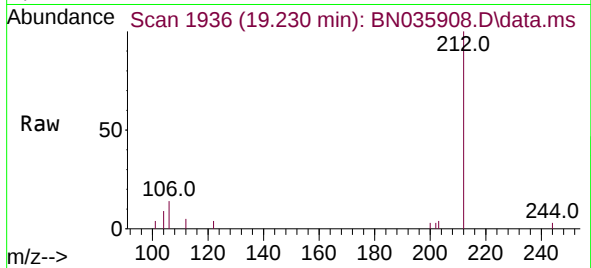




#27
Fluoranthene-d10
Concen: 0.467 ng
RT: 19.230 min Scan# 1942
Delta R.T. -0.008 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

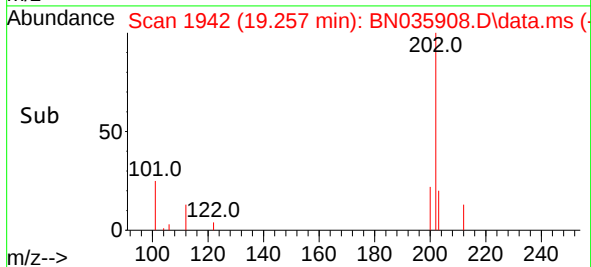
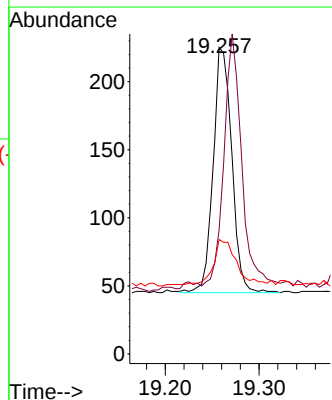
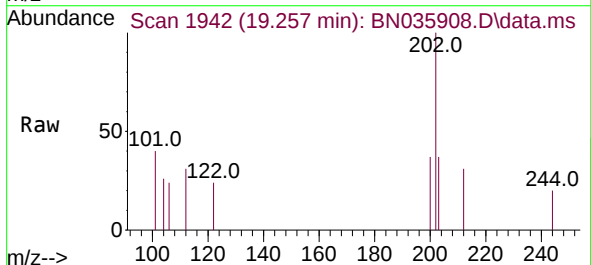
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250108

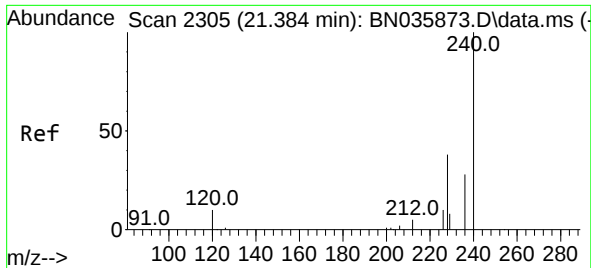
Tgt Ion:212 Resp: 1886
Ion Ratio Lower Upper
212 100
106 11.1 9.0 13.6
104 6.8 5.4 8.2



#28
Fluoranthene
Concen: 0.045 ng
RT: 19.257 min Scan# 1942
Delta R.T. -0.008 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

Tgt Ion:202 Resp: 249
Ion Ratio Lower Upper
202 100
101 97.6 7.2 10.8#
203 26.1 13.9 20.9#

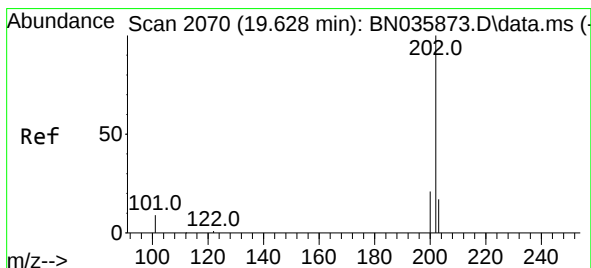
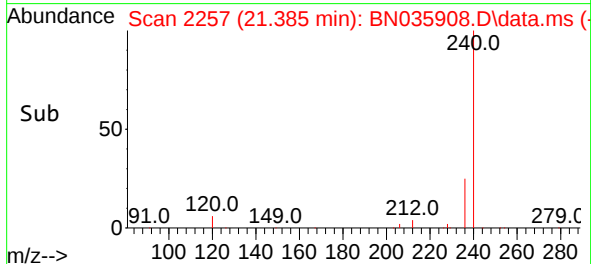
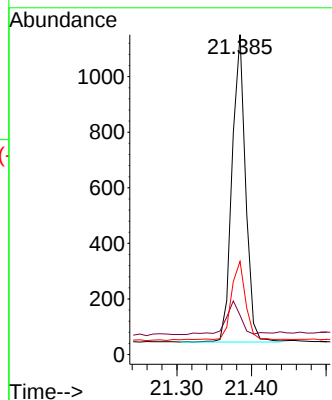
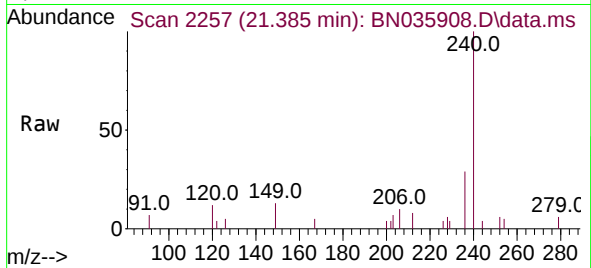




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.385 min Scan# 21
Delta R.T. 0.001 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

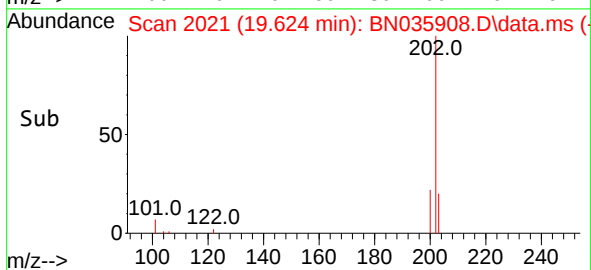
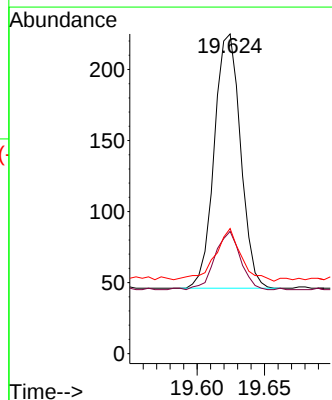
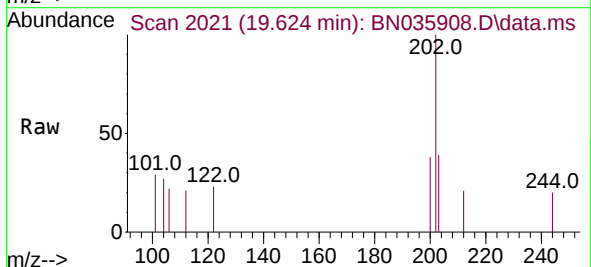
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250108

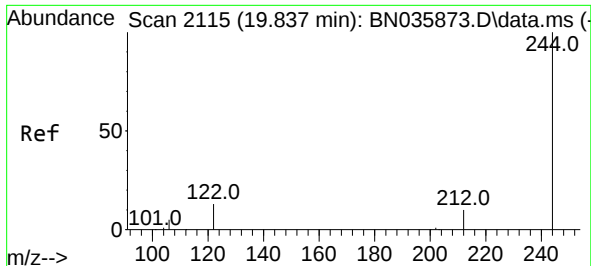
Tgt Ion:240 Resp: 1388
Ion Ratio Lower Upper
240 100
120 12.3 11.1 16.7
236 29.1 24.6 36.8



#30
Pyrene
Concen: 0.043 ng
RT: 19.624 min Scan# 2021
Delta R.T. -0.004 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

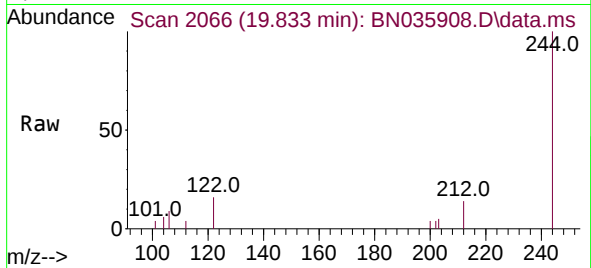
Tgt Ion:202 Resp: 242
Ion Ratio Lower Upper
202 100
200 22.3 17.0 25.6
203 20.7 14.6 22.0



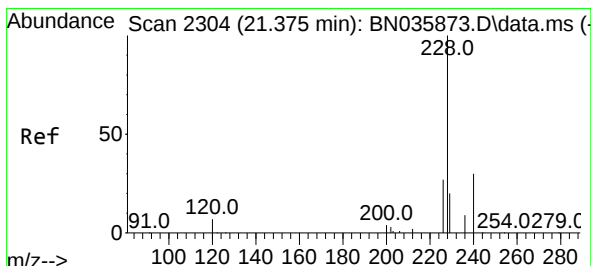
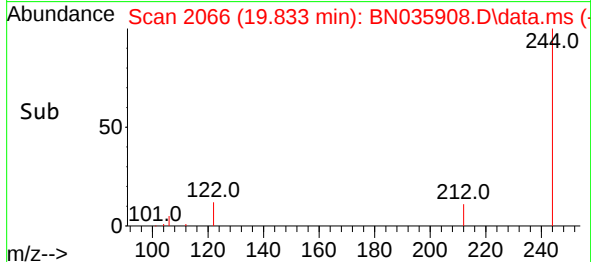
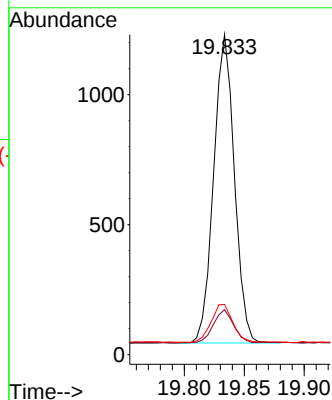


#31
 Terphenyl-d14
 Concen: 0.515 ng
 RT: 19.833 min Scan# 2066
 Delta R.T. -0.004 min
 Lab File: BN035908.D
 Acq: 10 Jan 2025 18:56

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP303-20250108

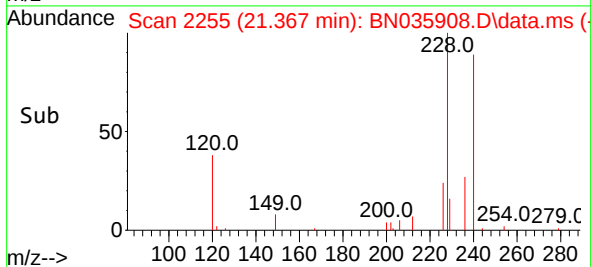
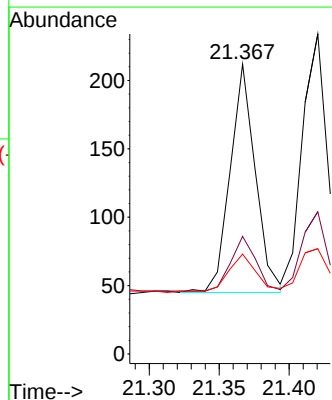
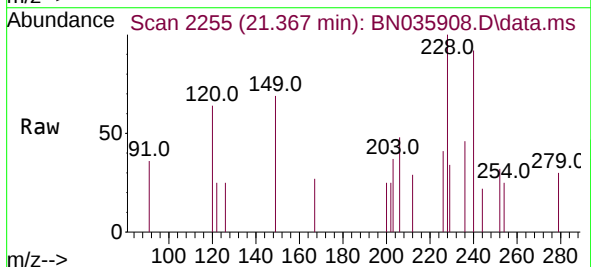


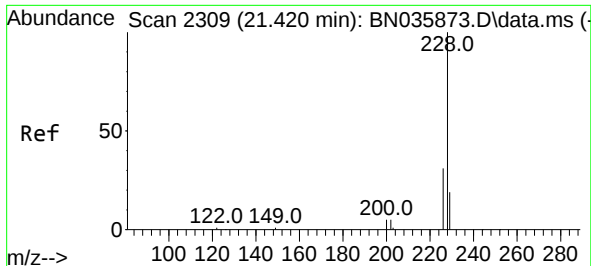
Tgt Ion:244 Resp: 1425
 Ion Ratio Lower Upper
 244 100
 212 14.1 10.1 15.1
 122 15.7 12.2 18.4



#32
 Benzo(a)anthracene
 Concen: 0.043 ng
 RT: 21.367 min Scan# 2255
 Delta R.T. -0.008 min
 Lab File: BN035908.D
 Acq: 10 Jan 2025 18:56

Tgt Ion:228 Resp: 209
 Ion Ratio Lower Upper
 228 100
 226 40.6 22.7 34.1#
 229 34.4 17.1 25.7#

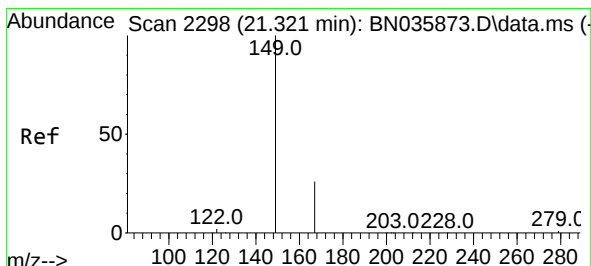
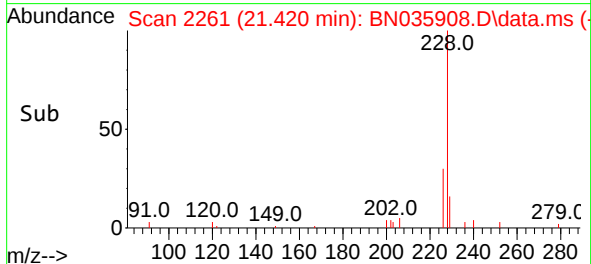
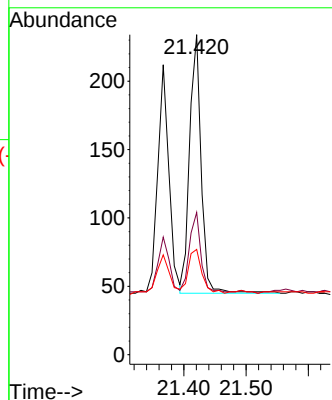
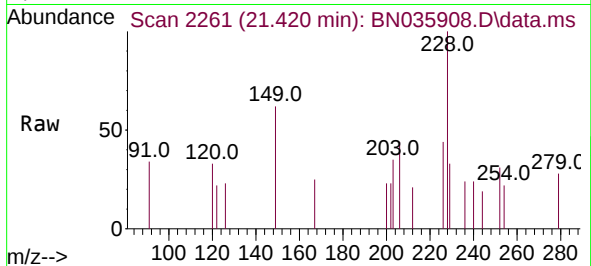




#33
Chrysene
Concen: 0.048 ng
RT: 21.420 min Scan# 2149
Delta R.T. 0.001 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

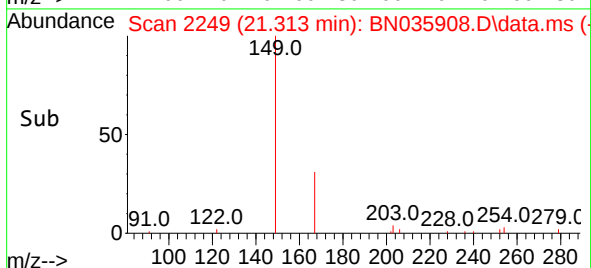
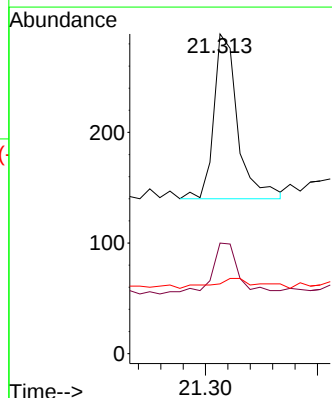
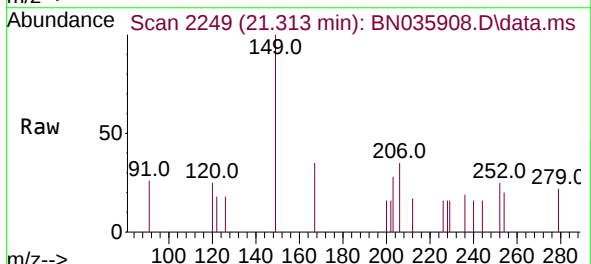
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250108

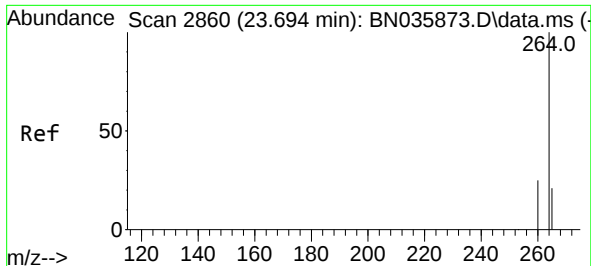
Tgt Ion:228 Resp: 246
Ion Ratio Lower Upper
228 100
226 44.4 25.2 37.8#
229 32.9 16.0 24.0#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.111 ng
RT: 21.313 min Scan# 2249
Delta R.T. -0.008 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

Tgt Ion:149 Resp: 221
Ion Ratio Lower Upper
149 100
167 29.4 21.4 32.0
279 11.3 3.0 4.6#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.686 min Scan# 21

Delta R.T. -0.008 min

Lab File: BN035908.D

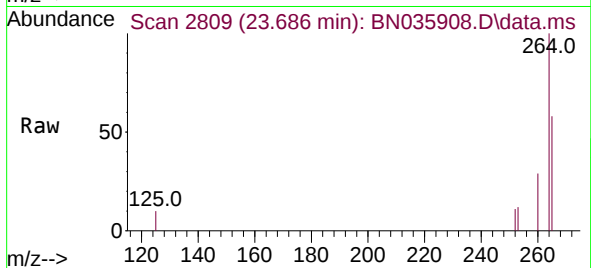
Acq: 10 Jan 2025 18:56

Instrument :

BNA_N

ClientSampleId :

RW5-SP303-20250108



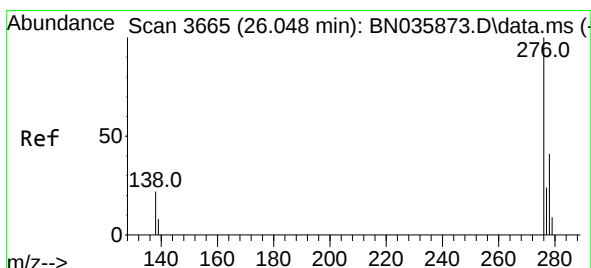
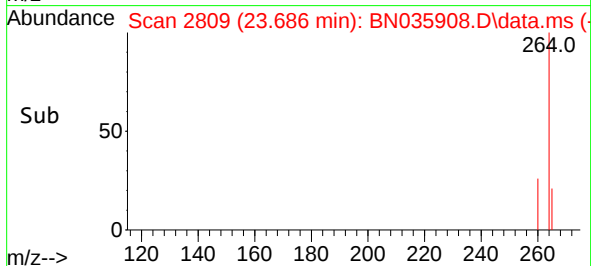
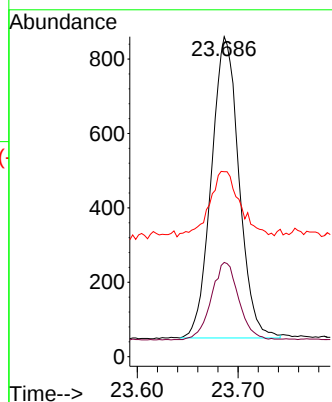
Tgt Ion:264 Resp: 1542

Ion Ratio Lower Upper

264 100

260 29.4 21.7 32.5

265 57.8 33.9 50.9#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.040 ng

RT: 26.037 min Scan# 3613

Delta R.T. -0.011 min

Lab File: BN035908.D

Acq: 10 Jan 2025 18:56

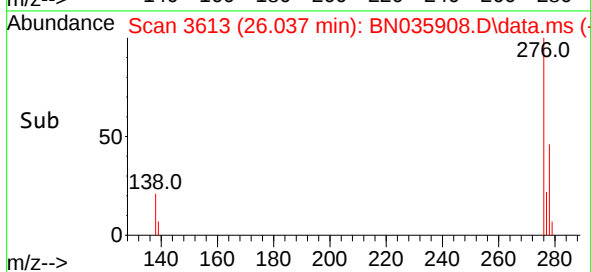
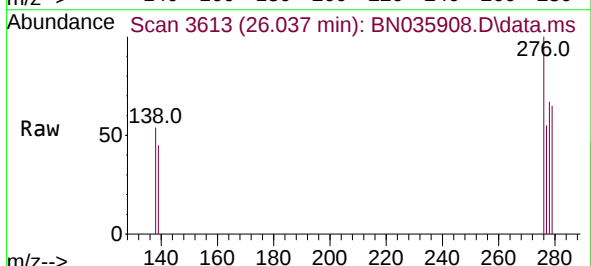
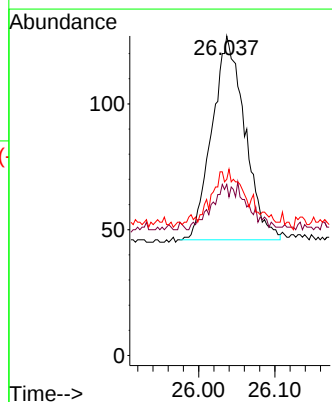
Tgt Ion:276 Resp: 241

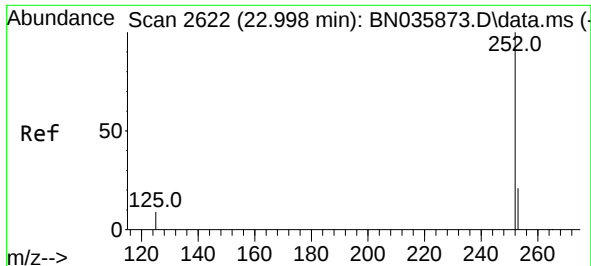
Ion Ratio Lower Upper

276 100

138 12.0 18.9 28.3#

277 10.0 19.5 29.3#

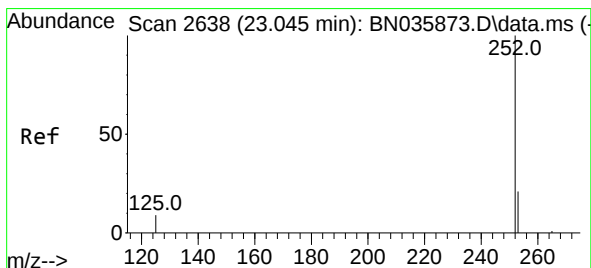
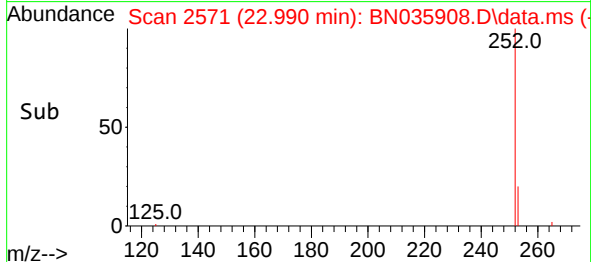
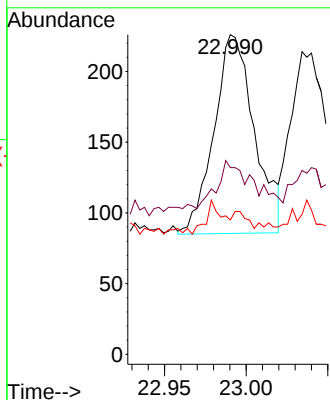
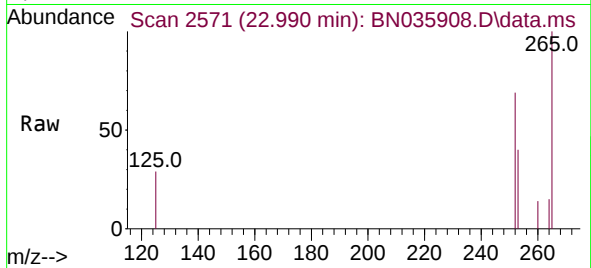




#37
Benzo(b)fluoranthene
Concen: 0.046 ng
RT: 22.990 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

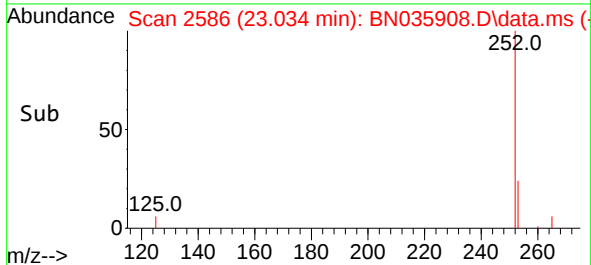
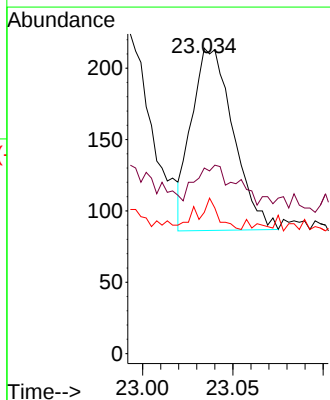
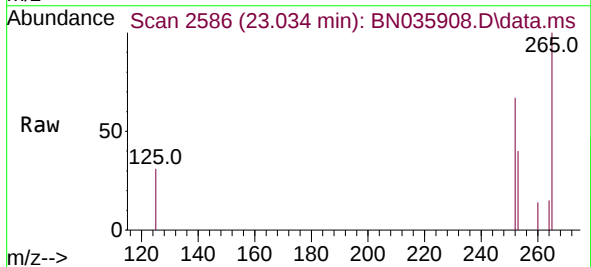
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250108

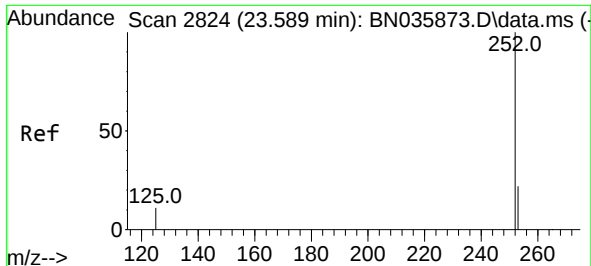
Tgt Ion:252 Resp: 242
Ion Ratio Lower Upper
252 100
253 58.4 20.1 30.1#
125 42.0 9.9 14.9#



#38
Benzo(k)fluoranthene
Concen: 0.039 ng
RT: 23.034 min Scan# 2586
Delta R.T. -0.011 min
Lab File: BN035908.D
Acq: 10 Jan 2025 18:56

Tgt Ion:252 Resp: 205
Ion Ratio Lower Upper
252 100
253 60.7 20.5 30.7#
125 46.3 10.6 16.0#





#39

Benzo(a)pyrene

Concen: 0.043 ng

RT: 23.587 min Scan# 21

Delta R.T. -0.002 min

Lab File: BN035908.D

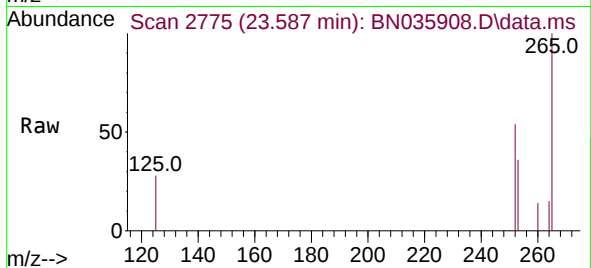
Acq: 10 Jan 2025 18:56

Instrument :

BNA_N

ClientSampleId :

RW5-SP303-20250108



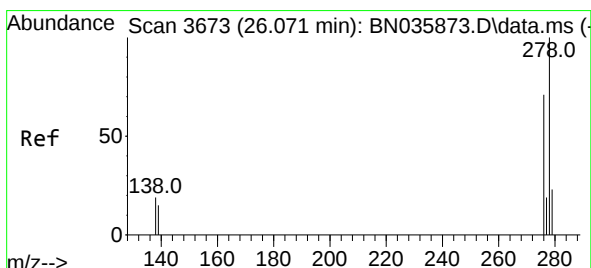
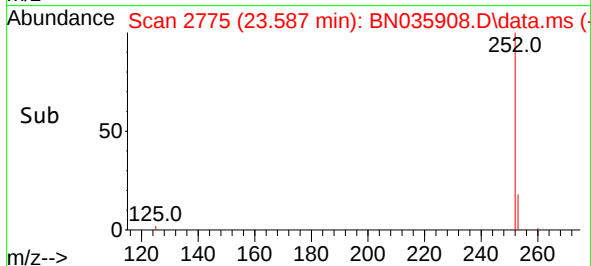
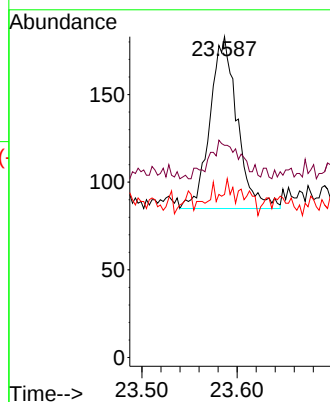
Tgt Ion:252 Resp: 195

Ion Ratio Lower Upper

252 100

253 66.1 21.5 32.3#

125 50.8 12.6 19.0#



#40

Dibenzo(a,h)anthracene

Concen: 0.043 ng

RT: 26.063 min Scan# 3622

Delta R.T. -0.008 min

Lab File: BN035908.D

Acq: 10 Jan 2025 18:56

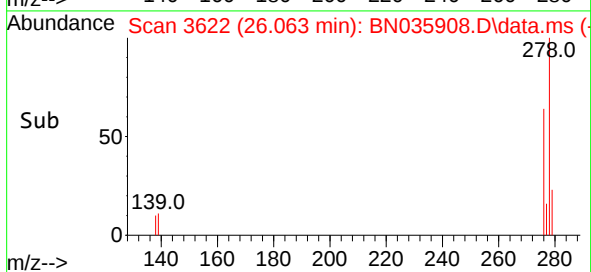
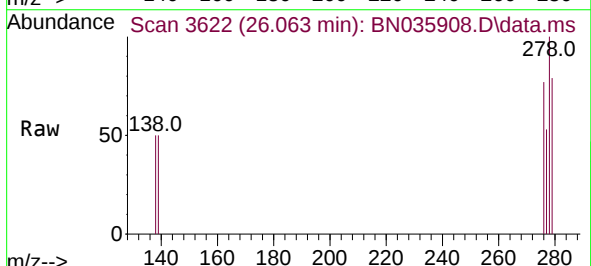
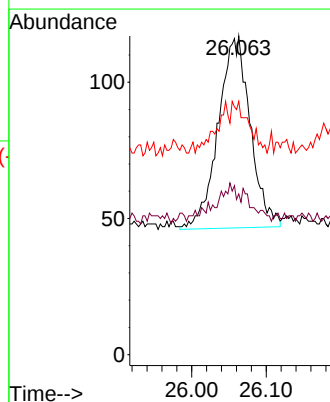
Tgt Ion:278 Resp: 210

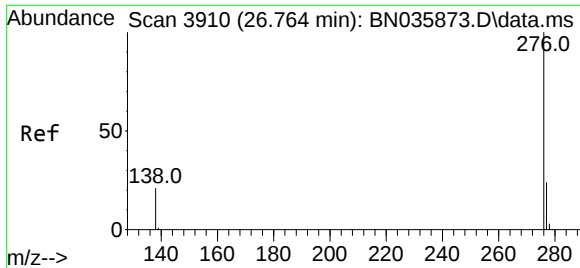
Ion Ratio Lower Upper

278 100

139 50.4 15.9 23.9#

279 79.5 23.0 34.4#





#41

Benzo(g,h,i)perylene

Concen: 0.040 ng

RT: 26.753 min Scan# 31

Delta R.T. -0.011 min

Lab File: BN035908.D

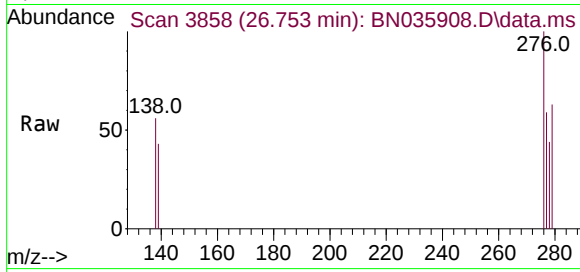
Acq: 10 Jan 2025 18:56

Instrument :

BNA_N

ClientSampleId :

RW5-SP303-20250108



Tgt Ion:276 Resp: 214

Ion Ratio Lower Upper

276 100

277 58.6 22.8 34.2#

138 56.0 20.1 30.1#

