

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120123\
 Data File : BN028977.D
 Acq On : 02 Dec 2023 10:26
 Operator : MA/JU
 Sample : 05403-07
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW8-MW01D1-20231111

Quant Time: Dec 03 08:12:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 23:11:55 2023
 Response via : Initial Calibration

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

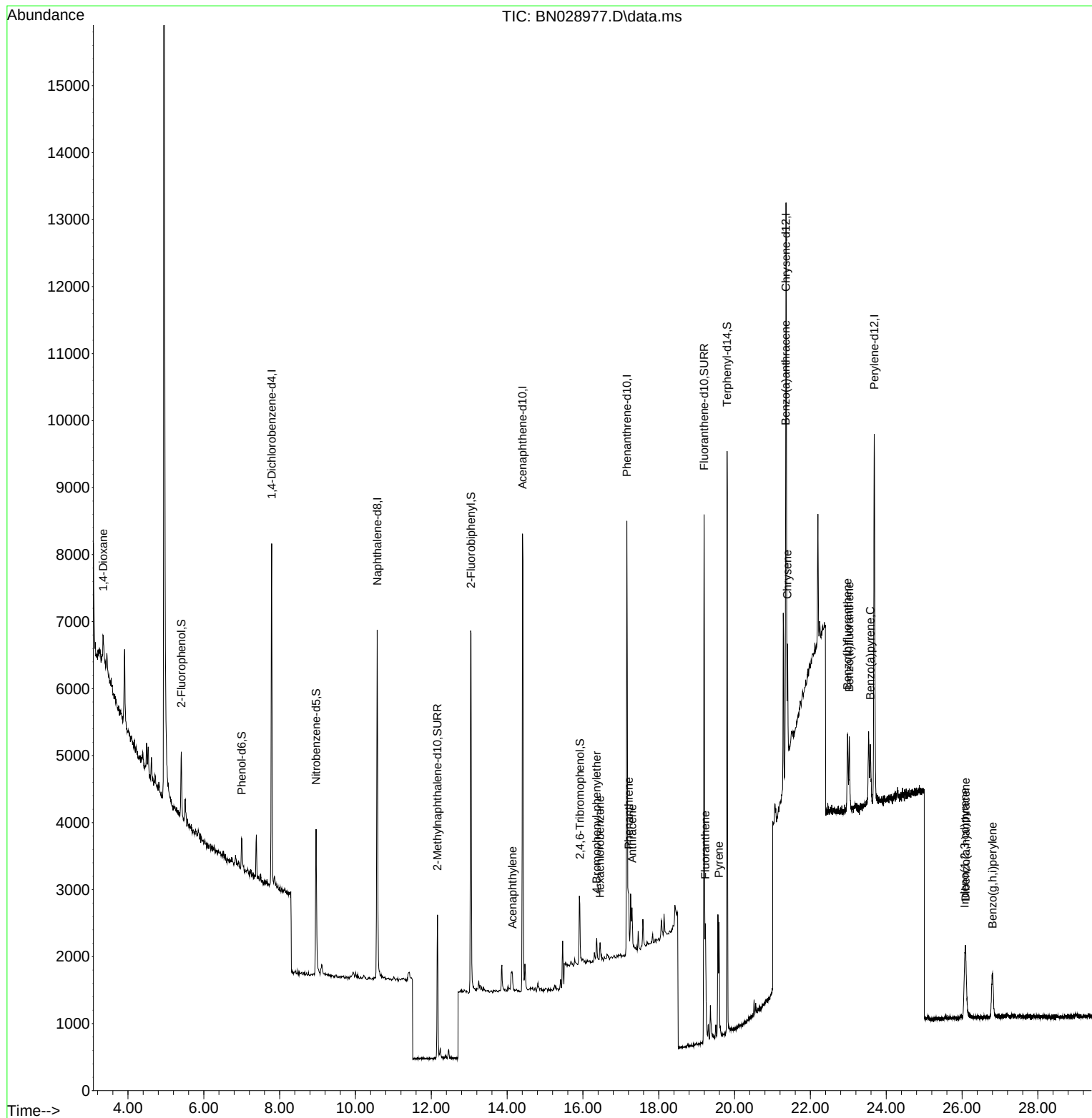
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	2407	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	7000	0.400	ng	-0.01
13) Acenaphthene-d10	14.407	164	4364	0.400	ng	-0.01
19) Phenanthrene-d10	17.159	188	9457	0.400	ng	-0.01
29) Chrysene-d12	21.356	240	8033	0.400	ng	#-0.02
35) Perylene-d12	23.684	264	7441	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.406	112	746	0.102	ng	0.00
5) Phenol-d6	7.002	99	470	0.058	ng	0.00
8) Nitrobenzene-d5	8.961	82	2042	0.293	ng	-0.01
11) 2-Methylnaphthalene-d10	12.163	152	3011	0.268	ng	0.00
14) 2,4,6-Tribromophenol	15.918	330	708	0.240	ng	0.00
15) 2-Fluorobiphenyl	13.049	172	5270	0.280	ng	0.00
27) Fluoranthene-d10	19.195	212	9042	0.363	ng	-0.01
31) Terphenyl-d14	19.803	244	8512	0.382	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.348	88	380	0.161	ng	# 62
16) Acenaphthylene	14.140	152	478	0.021	ng	95
21) 4-Bromophenyl-phenylether	16.365	248	134	0.021	ng	# 82
22) Hexachlorobenzene	16.451	284	198	0.025	ng	# 92
25) Phenanthrene	17.209	178	919	0.029	ng	# 89
26) Anthracene	17.295	178	673	0.023	ng	# 89
28) Fluoranthene	19.227	202	1376	0.042	ng	# 71
30) Pyrene	19.590	202	1434	0.117	ng	98
32) Benzo(a)anthracene	21.347	228	1495	0.044	ng	# 92
33) Chrysene	21.392	228	1361	0.041	ng	# 92
36) Indeno(1,2,3-cd)pyrene	26.073	276	1774	0.055	ng	# 90
37) Benzo(b)fluoranthene	22.980	252	1518	0.050	ng	# 68
38) Benzo(k)fluoranthene	23.026	252	1506	0.052	ng	# 67
39) Benzo(a)pyrene	23.582	252	1281	0.047	ng	# 66
40) Dibenzo(a,h)anthracene	26.093	278	1400	0.056	ng	# 62
41) Benzo(g,h,i)perylene	26.804	276	1514	0.054	ng	# 92

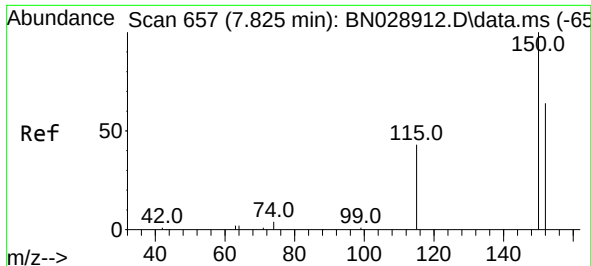
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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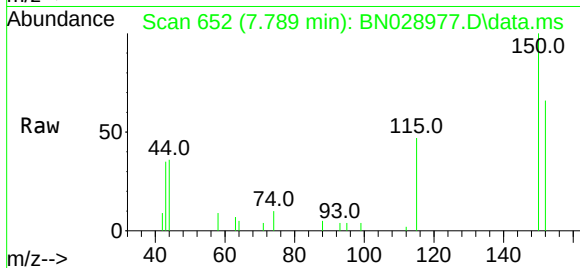
Quant Time: Dec 03 08:12:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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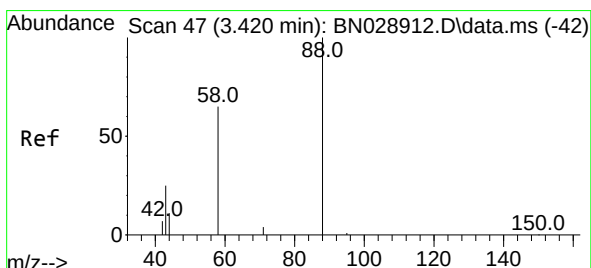
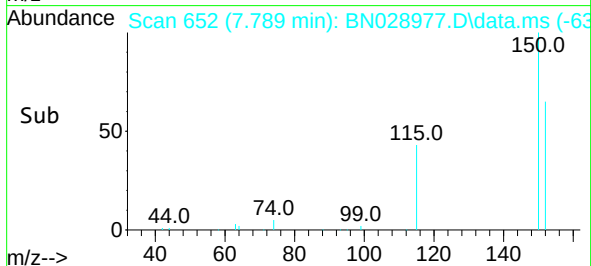
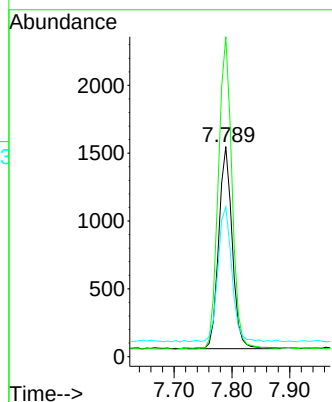
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.789 min Scan# 61
 Delta R.T. -0.008 min
 Lab File: BN028977.D
 Acq: 02 Dec 2023 10:26

Instrument :
 BNA_N
 ClientSampleId :
 RW8-MW01D1-20231111



Tgt Ion: 152 Resp: 2407

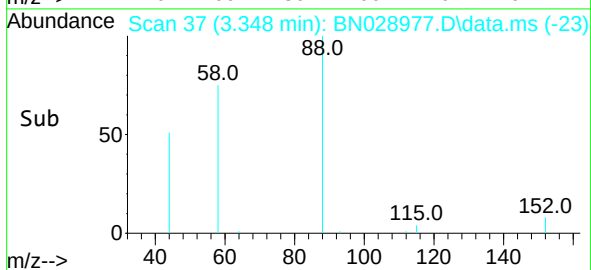
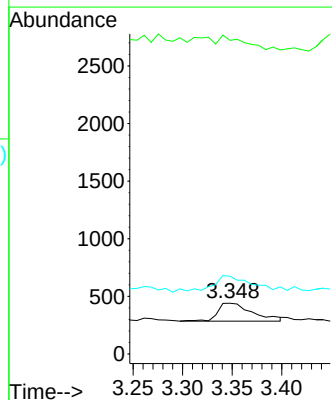
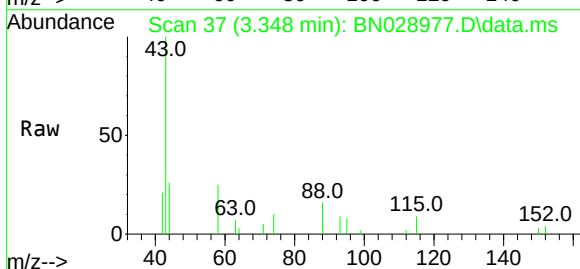
Ion	Ratio	Lower	Upper
152	100		
150	152.3	123.4	185.2
115	71.3	59.1	88.7

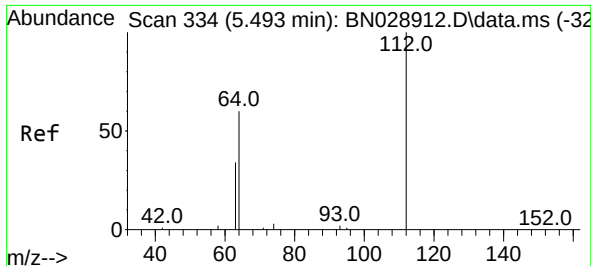


#2
 1,4-Dioxane
 Concen: 0.161 ng
 RT: 3.348 min Scan# 37
 Delta R.T. -0.000 min
 Lab File: BN028977.D
 Acq: 02 Dec 2023 10:26

Tgt Ion: 88 Resp: 380

Ion	Ratio	Lower	Upper
88	100		
43	55.5	29.9	44.9#
58	103.4	55.0	82.4#

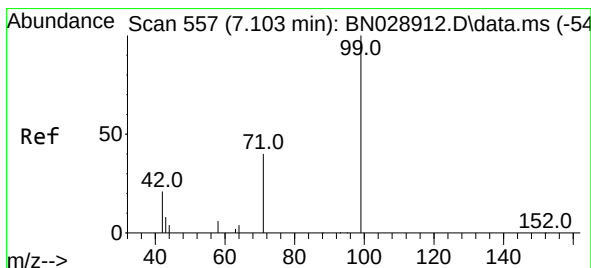
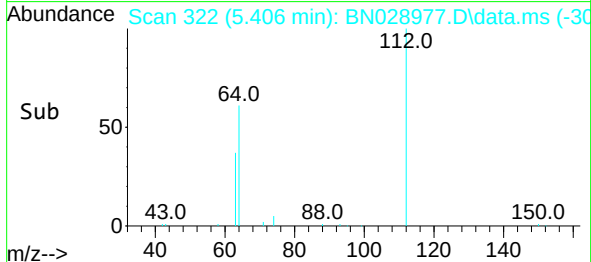
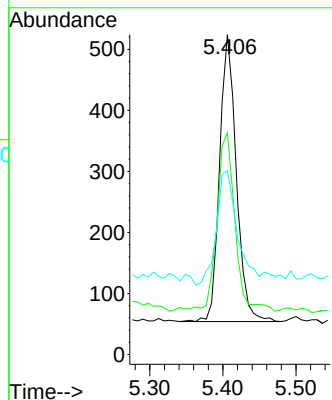
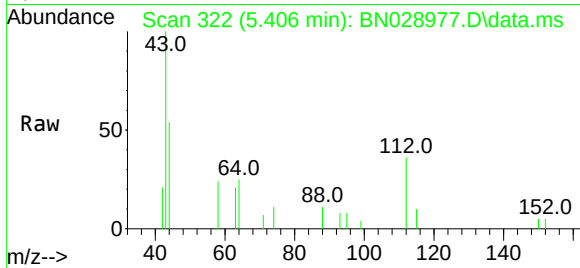




#4
2-Fluorophenol
Concen: 0.102 ng
RT: 5.406 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN028977.D
Acq: 02 Dec 2023 10:26

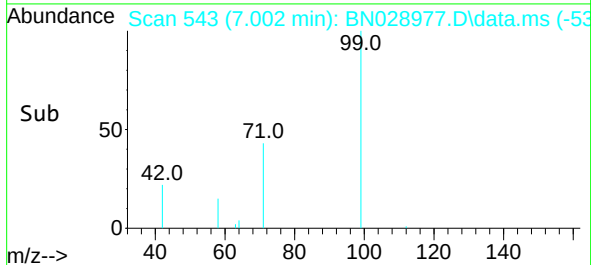
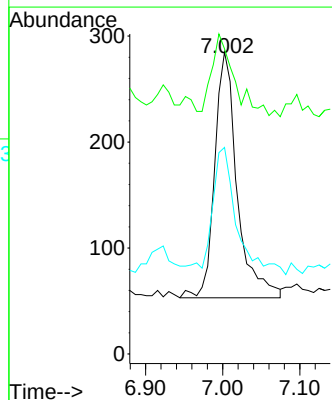
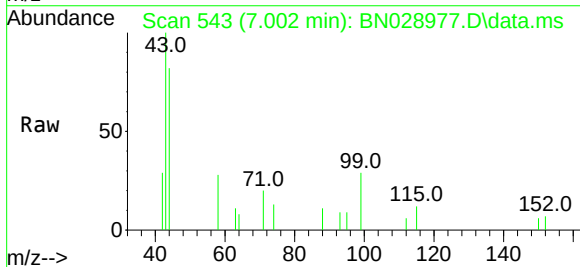
Instrument :
BNA_N
ClientSampleId :
RW8-MW01D1-20231111

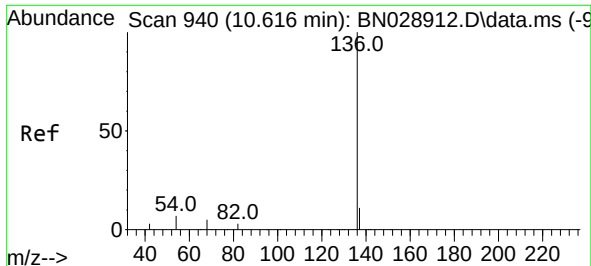
Tgt Ion:112 Resp: 746
Ion Ratio Lower Upper
112 100
64 68.1 51.5 77.3
63 54.2 30.4 45.6#



#5
Phenol-d6
Concen: 0.058 ng
RT: 7.002 min Scan# 543
Delta R.T. -0.007 min
Lab File: BN028977.D
Acq: 02 Dec 2023 10:26

Tgt Ion: 99 Resp: 470
Ion Ratio Lower Upper
99 100
42 34.5 21.2 31.8#
71 55.5 35.4 53.0#

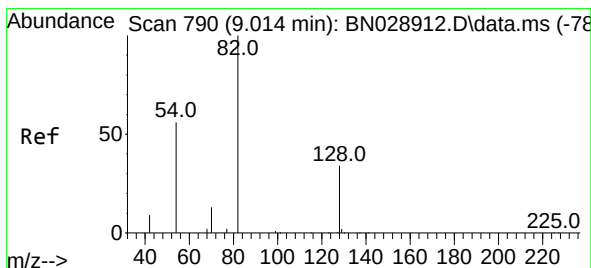
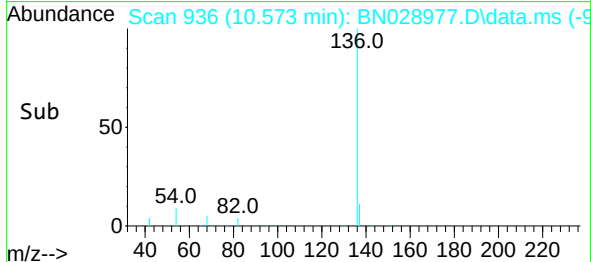
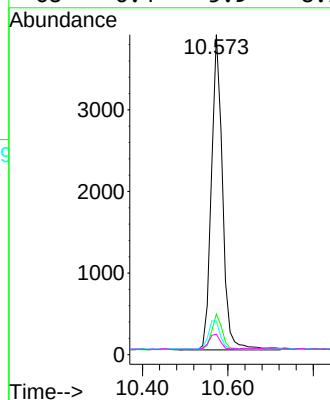
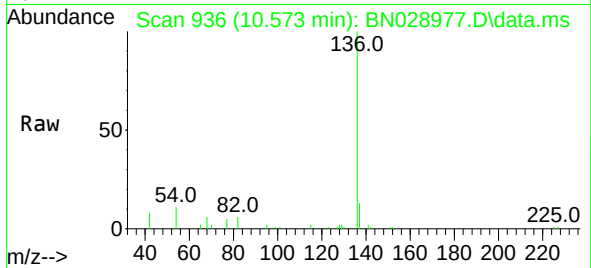




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 911
Delta R.T. -0.011 min
Lab File: BN028977.D
Acq: 02 Dec 2023 10:26

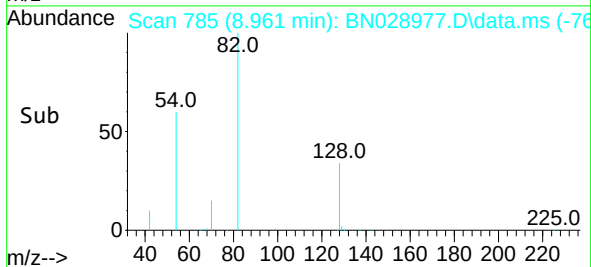
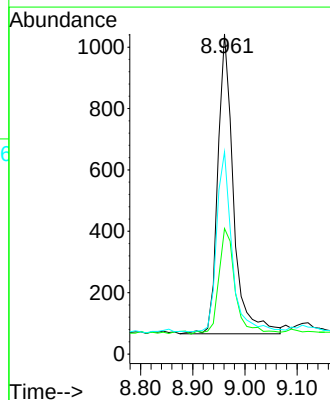
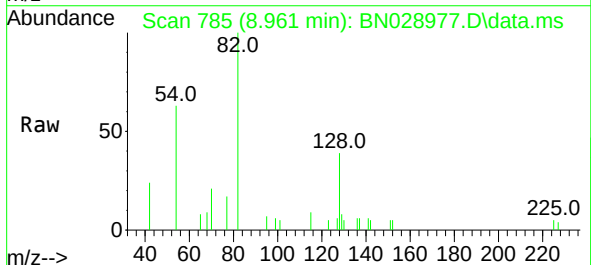
Instrument :
BNA_N
ClientSampleId :
RW8-MW01D1-20231111

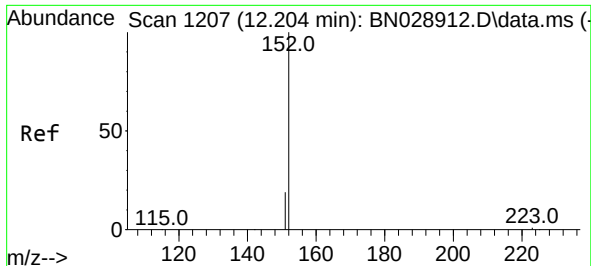
Tgt Ion:	136	Resp:	7000
Ion	Ratio	Lower	Upper
136	100		
137	12.7	10.6	16.0
54	10.5	7.5	11.3
68	6.4	5.9	8.9



#8
Nitrobenzene-d5
Concen: 0.293 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.011 min
Lab File: BN028977.D
Acq: 02 Dec 2023 10:26

Tgt Ion:	82	Resp:	2042
Ion	Ratio	Lower	Upper
82	100		
128	39.2	29.2	43.8
54	63.2	47.0	70.6





#11

2-Methylnaphthalene-d10

Concen: 0.268 ng

RT: 12.163 min Scan# 1196

Delta R.T. -0.008 min

Lab File: BN028977.D

Acq: 02 Dec 2023 10:26

Instrument :

BNA_N

ClientSampleId :

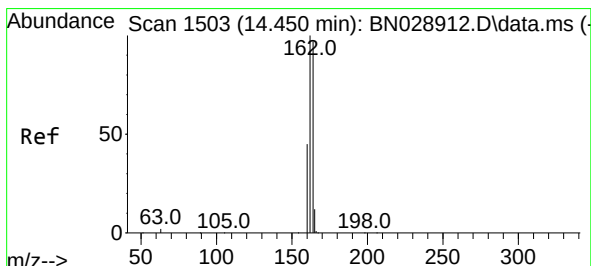
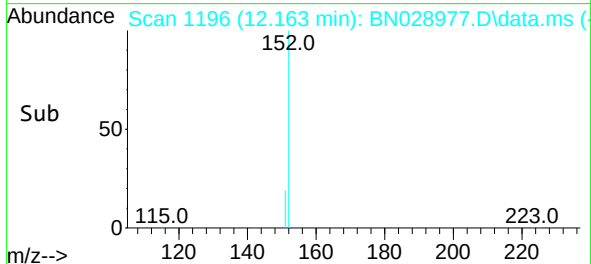
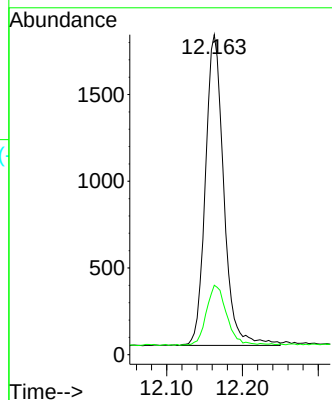
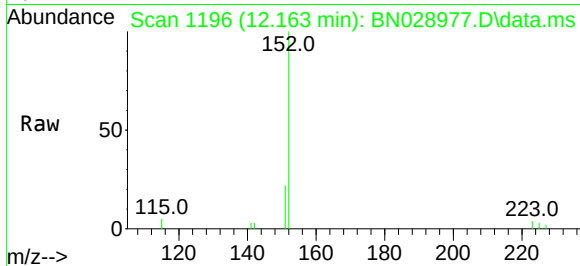
RW8-MW01D1-20231111

Tgt Ion:152 Resp: 3011

Ion Ratio Lower Upper

152 100

151 21.4 16.7 25.1



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.407 min Scan# 1499

Delta R.T. -0.011 min

Lab File: BN028977.D

Acq: 02 Dec 2023 10:26

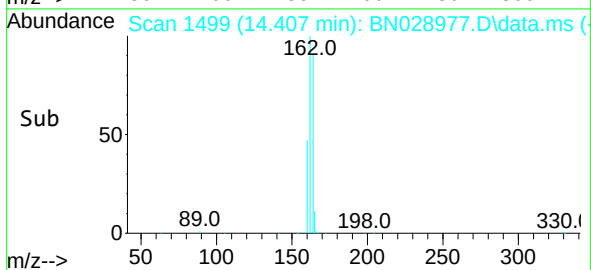
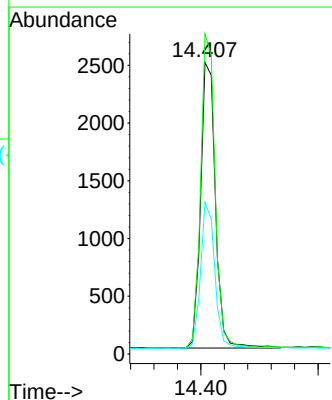
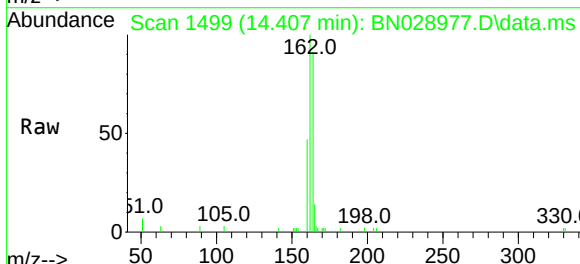
Tgt Ion:164 Resp: 4364

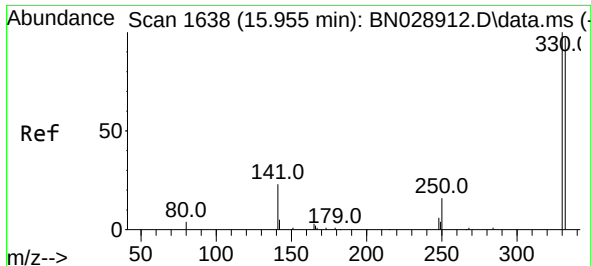
Ion Ratio Lower Upper

164 100

162 109.7 81.7 122.5

160 51.9 37.0 55.6

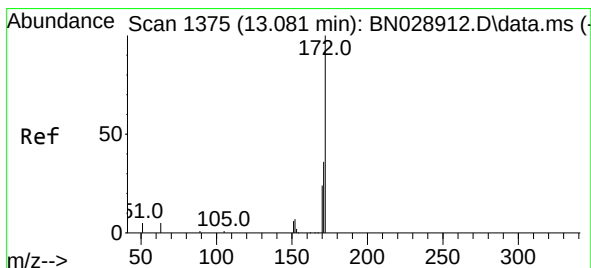
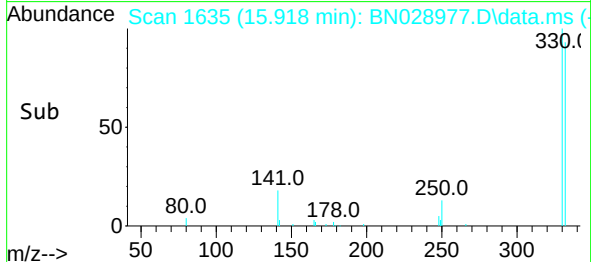
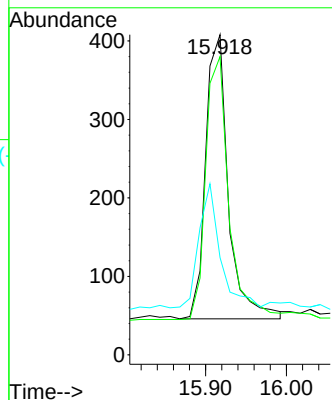
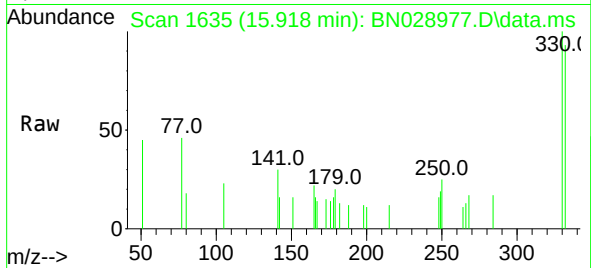




#14
2,4,6-Tribromophenol
Concen: 0.240 ng
RT: 15.918 min Scan# 1635
Delta R.T. -0.000 min
Lab File: BN028977.D
Acq: 02 Dec 2023 10:26

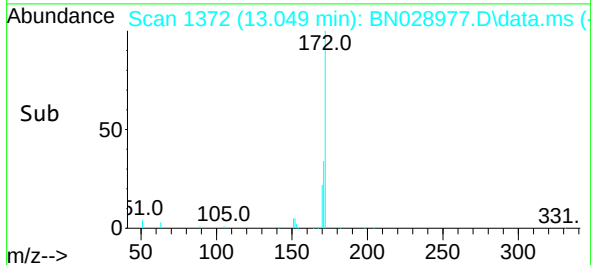
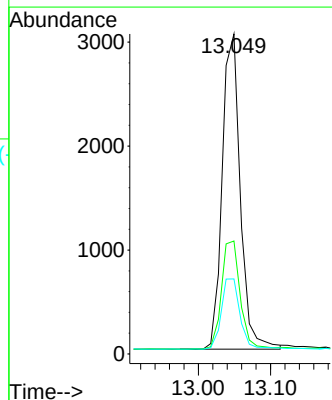
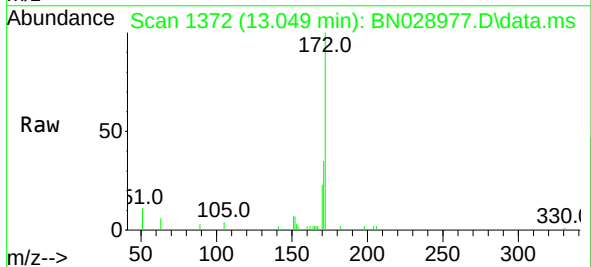
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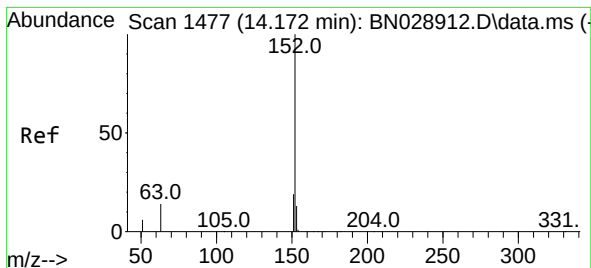
Tgt Ion:330 Resp: 708
Ion Ratio Lower Upper
330 100
332 94.9 75.4 113.2
141 41.0 35.7 53.5



#15
2-Fluorobiphenyl
Concen: 0.280 ng
RT: 13.049 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BN028977.D
Acq: 02 Dec 2023 10:26

Tgt Ion:172 Resp: 5270
Ion Ratio Lower Upper
172 100
171 35.3 29.0 43.4
170 23.4 19.7 29.5





#16

Acenaphthylene

Concen: 0.021 ng

RT: 14.140 min Scan# 14

Delta R.T. -0.000 min

Lab File: BN028977.D

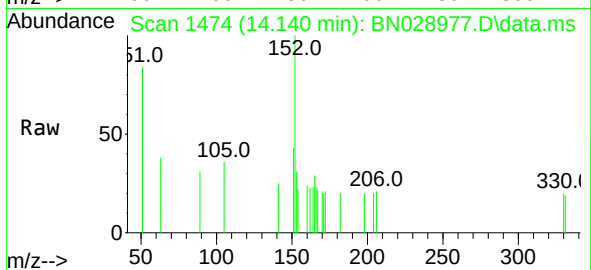
Acq: 02 Dec 2023 10:26

Instrument :

BNA_N

ClientSampleId :

RW8-MW01D1-20231111



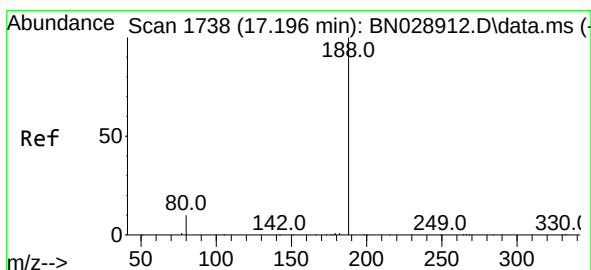
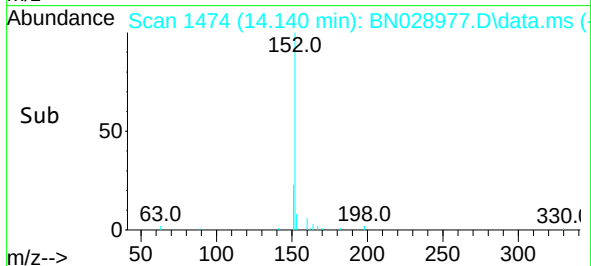
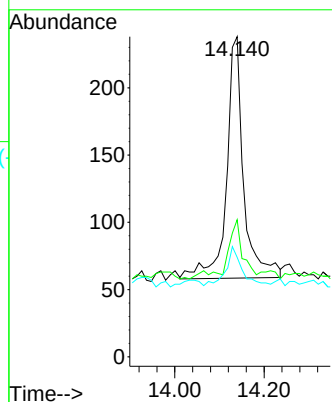
Tgt Ion:152 Resp: 478

Ion Ratio Lower Upper

152 100

151 17.8 15.9 23.9

153 15.7 10.8 16.2



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.159 min Scan# 1735

Delta R.T. -0.012 min

Lab File: BN028977.D

Acq: 02 Dec 2023 10:26

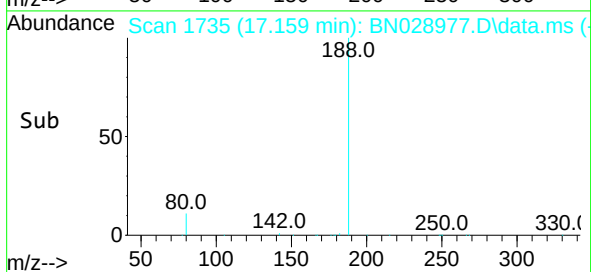
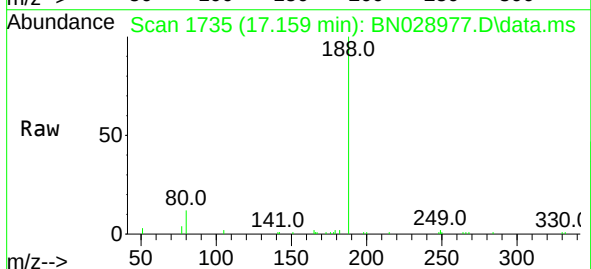
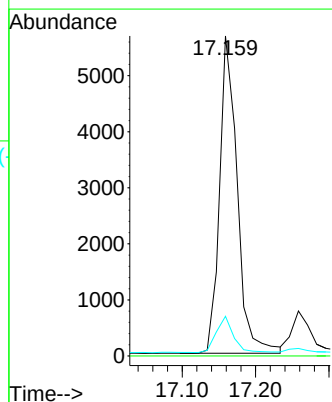
Tgt Ion:188 Resp: 9457

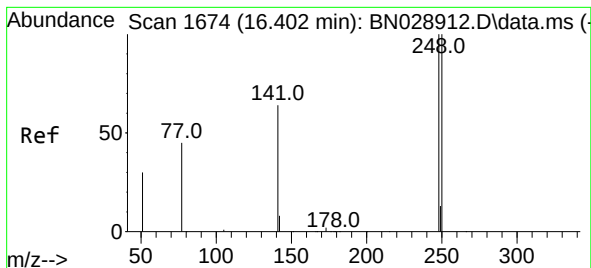
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.4 9.0 13.6

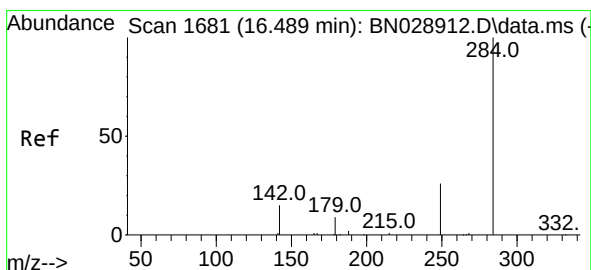
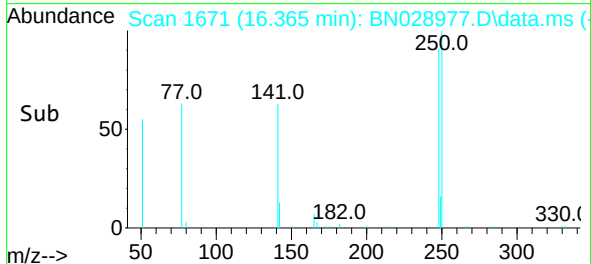
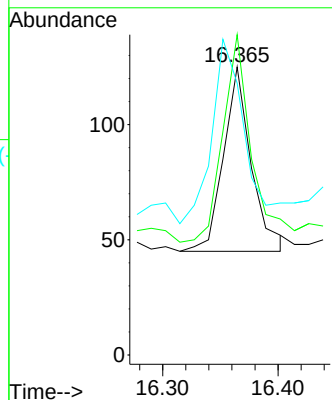
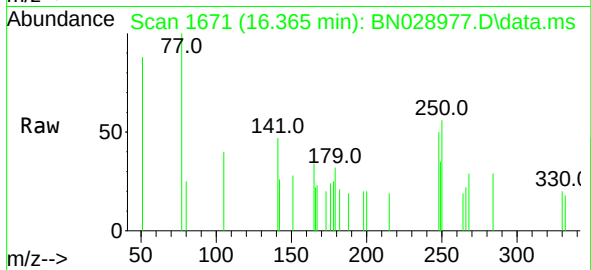




#21
4-Bromophenyl-phenylether
Concen: 0.021 ng
RT: 16.365 min Scan# 1671
Delta R.T. -0.000 min
Lab File: BN028977.D
Acq: 02 Dec 2023 10:26

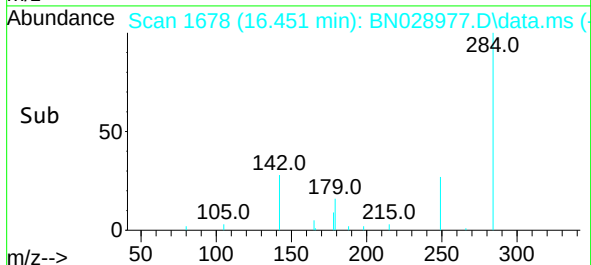
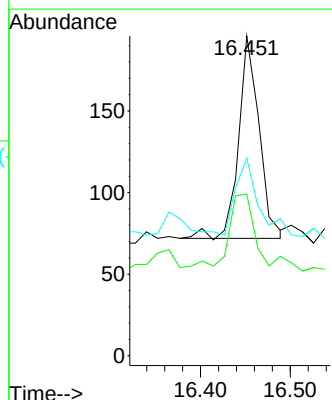
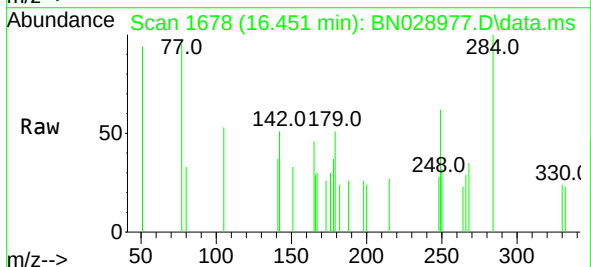
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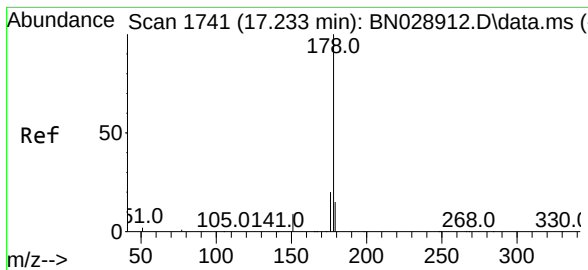
Tgt Ion:248 Resp: 134
Ion Ratio Lower Upper
248 100
250 111.2 83.5 125.3
141 94.4 52.9 79.3#



#22
Hexachlorobenzene
Concen: 0.025 ng
RT: 16.451 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BN028977.D
Acq: 02 Dec 2023 10:26

Tgt Ion:284 Resp: 198
Ion Ratio Lower Upper
284 100
142 43.4 34.1 51.1
249 41.4 25.7 38.5#





#25

Phenanthrene

Concen: 0.029 ng

RT: 17.209 min Scan# 1740

Delta R.T. -0.000 min

Lab File: BN028977.D

Acq: 02 Dec 2023 10:26

Instrument :

BNA_N

ClientSampleId :

RW8-MW01D1-20231111

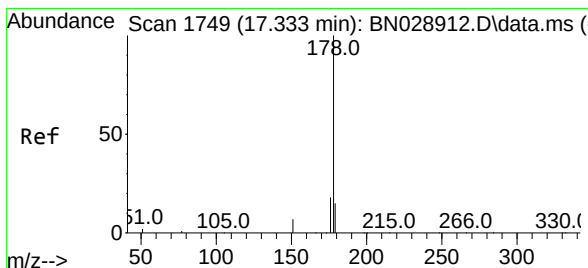
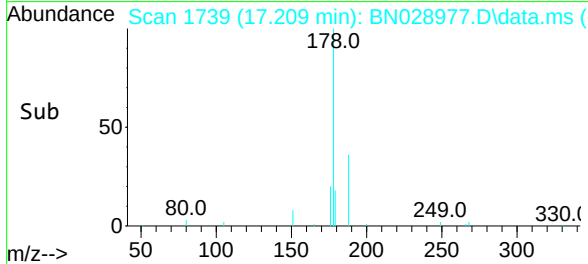
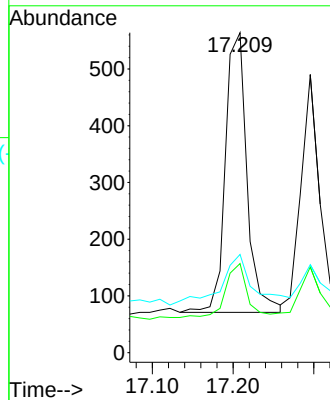
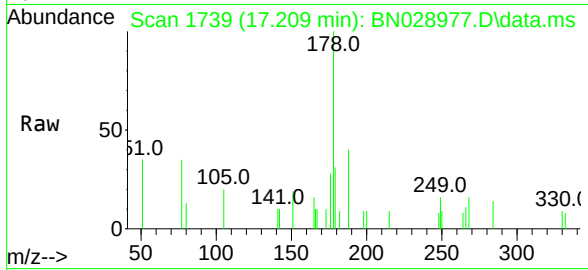
Tgt Ion:178 Resp: 919

Ion Ratio Lower Upper

178 100

176 22.2 16.4 24.6

179 26.1 14.1 21.1#



#26

Anthracene

Concen: 0.023 ng

RT: 17.295 min Scan# 1746

Delta R.T. -0.012 min

Lab File: BN028977.D

Acq: 02 Dec 2023 10:26

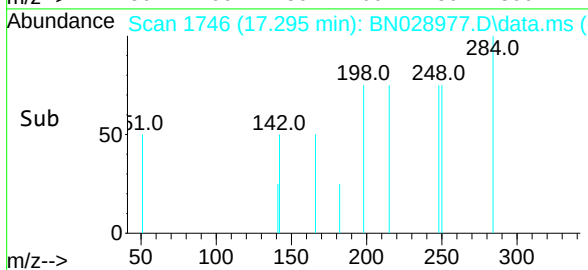
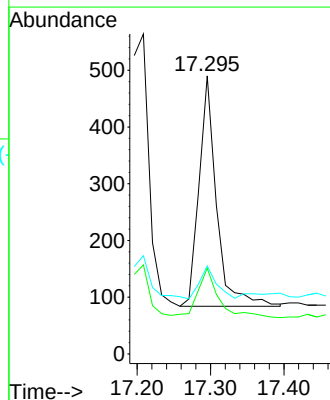
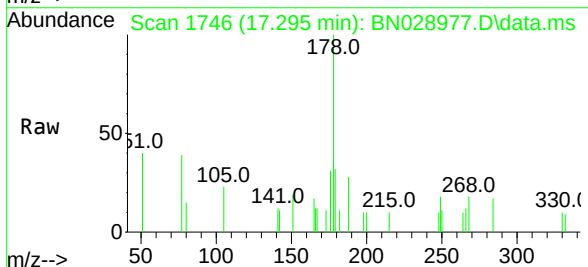
Tgt Ion:178 Resp: 673

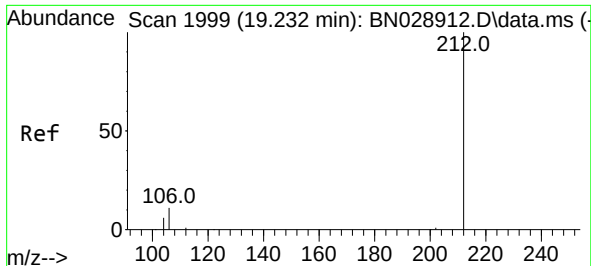
Ion Ratio Lower Upper

178 100

176 25.7 15.2 22.8#

179 12.8 12.2 18.2

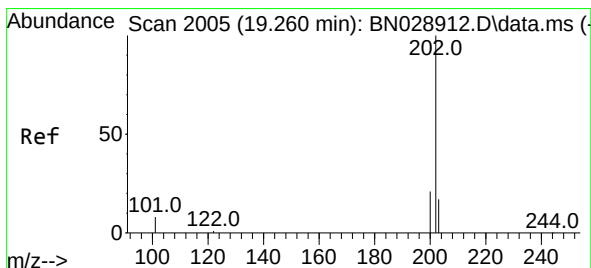
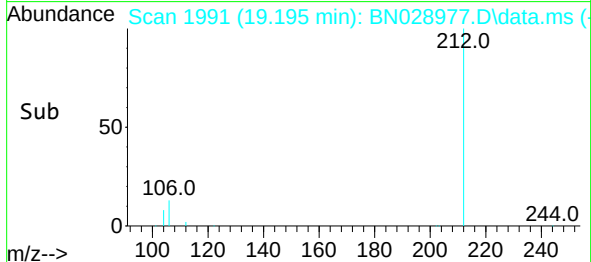
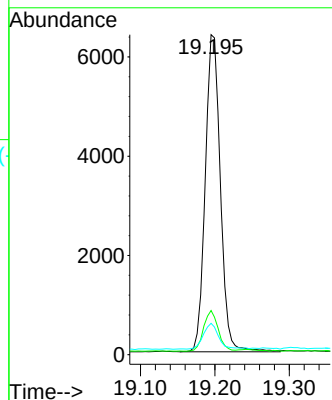
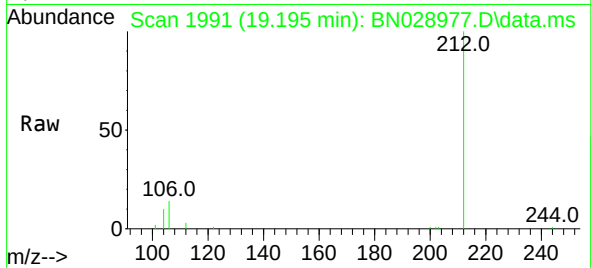




#27
Fluoranthene-d10
Concen: 0.363 ng
RT: 19.195 min Scan# 1991
Delta R.T. -0.014 min
Lab File: BN028977.D
Acq: 02 Dec 2023 10:26

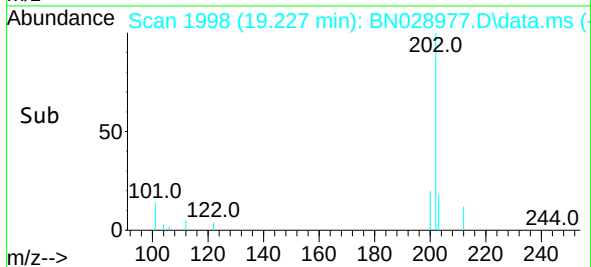
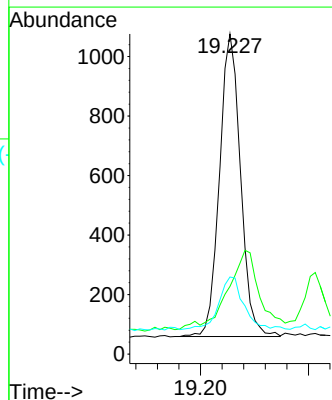
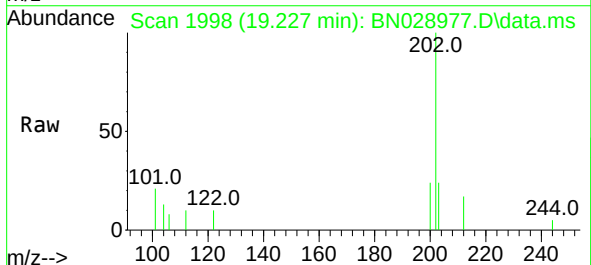
Instrument :
BNA_N
ClientSampleId :
RW8-MW01D1-20231111

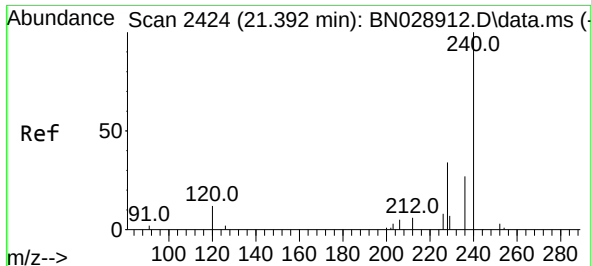
Tgt Ion:212 Resp: 9042
Ion Ratio Lower Upper
212 100
106 12.3 9.4 14.2
104 8.5 6.2 9.2



#28
Fluoranthene
Concen: 0.042 ng
RT: 19.227 min Scan# 1998
Delta R.T. -0.009 min
Lab File: BN028977.D
Acq: 02 Dec 2023 10:26

Tgt Ion:202 Resp: 1376
Ion Ratio Lower Upper
202 100
101 33.9 7.3 10.9#
203 21.1 14.1 21.1





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.356 min Scan# 2420

Delta R.T. -0.018 min

Lab File: BN028977.D

Acq: 02 Dec 2023 10:26

Instrument :

BNA_N

ClientSampleId :

RW8-MW01D1-20231111

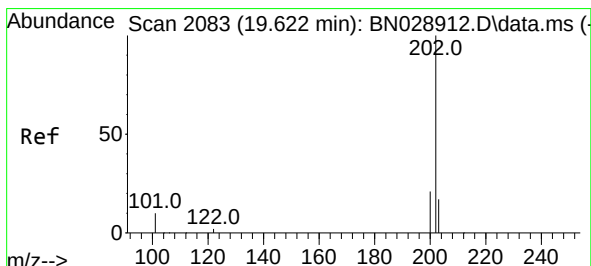
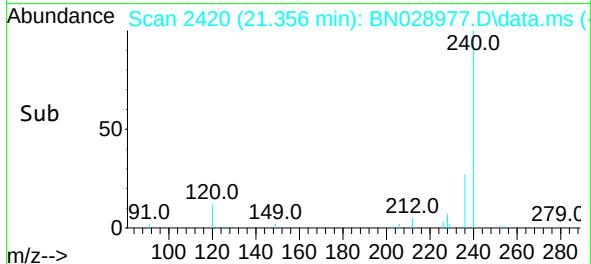
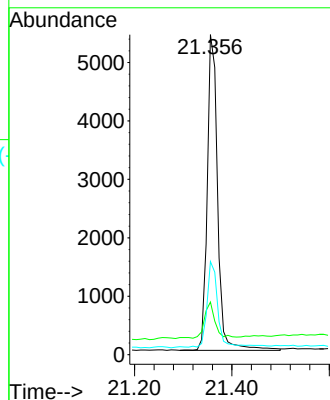
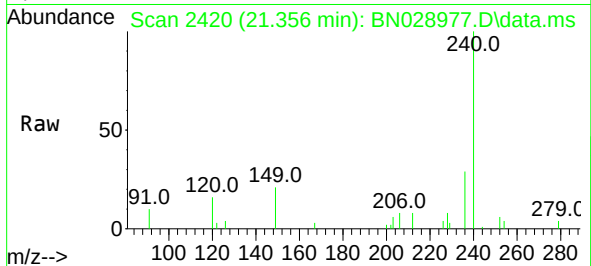
Tgt Ion:240 Resp: 8033

Ion Ratio Lower Upper

240 100

120 16.5 37.1 55.7#

236 29.1 32.4 48.6#



#30

Pyrene

Concen: 0.117 ng

RT: 19.590 min Scan# 2076

Delta R.T. -0.014 min

Lab File: BN028977.D

Acq: 02 Dec 2023 10:26

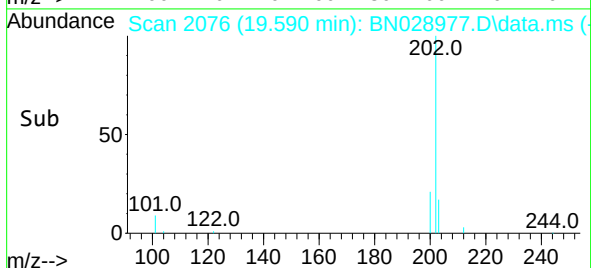
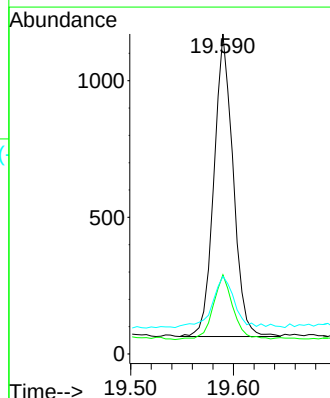
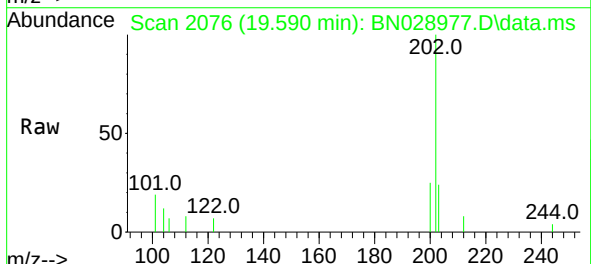
Tgt Ion:202 Resp: 1434

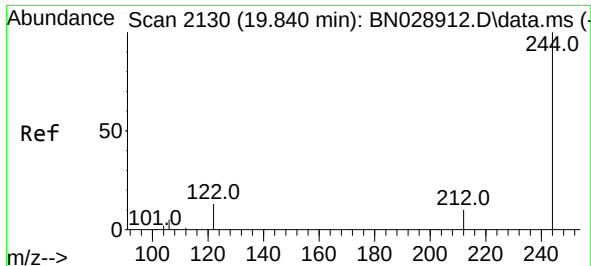
Ion Ratio Lower Upper

202 100

200 22.2 16.9 25.3

203 19.0 14.8 22.2

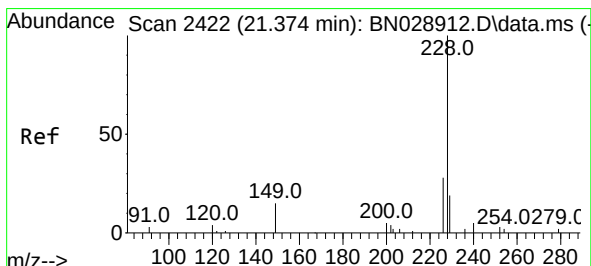
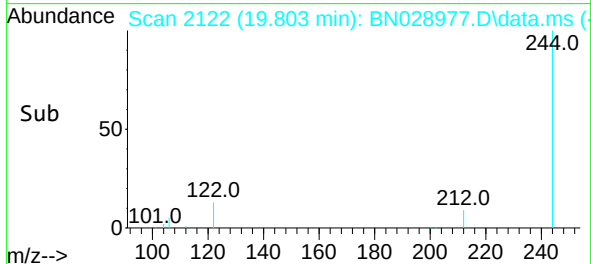
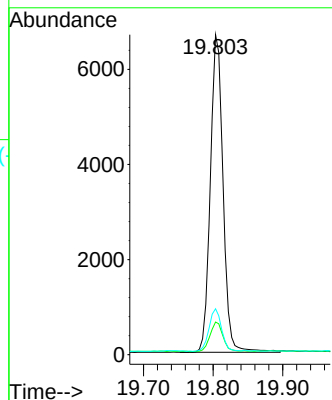
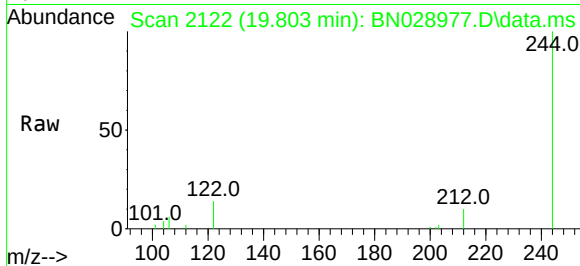




#31
 Terphenyl-d14
 Concen: 0.382 ng
 RT: 19.803 min Scan# 2130
 Delta R.T. -0.014 min
 Lab File: BN028977.D
 Acq: 02 Dec 2023 10:26

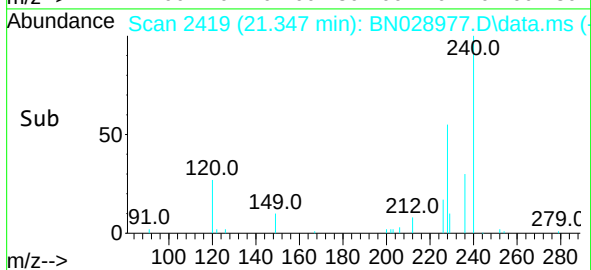
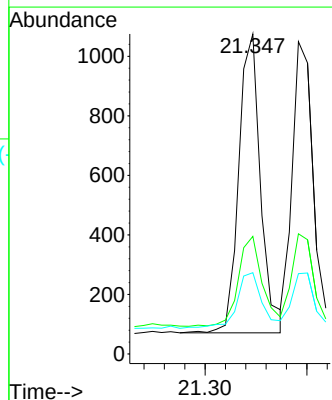
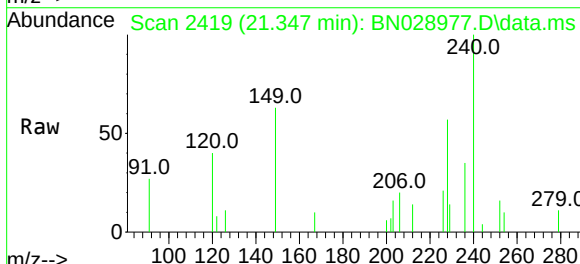
Instrument :
 BNA_N
 ClientSampleId :
 RW8-MW01D1-20231111

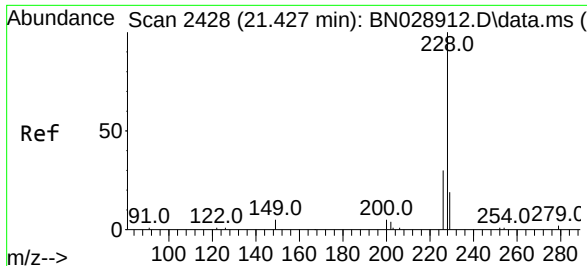
Tgt Ion:244 Resp: 8512
 Ion Ratio Lower Upper
 244 100
 212 10.2 11.5 17.3#
 122 14.3 13.2 19.8



#32
 Benzo(a)anthracene
 Concen: 0.044 ng
 RT: 21.347 min Scan# 2419
 Delta R.T. -0.009 min
 Lab File: BN028977.D
 Acq: 02 Dec 2023 10:26

Tgt Ion:228 Resp: 1495
 Ion Ratio Lower Upper
 228 100
 226 36.7 26.5 39.7
 229 25.4 16.4 24.6#





#33

Chrysene

Concen: 0.041 ng

RT: 21.392 min Scan# 2424

Delta R.T. -0.018 min

Lab File: BN028977.D

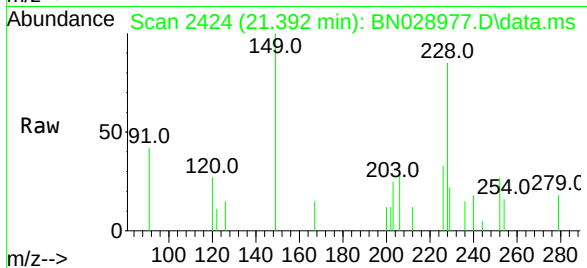
Acq: 02 Dec 2023 10:26

Instrument :

BNA_N

ClientSampleId :

RW8-MW01D1-20231111



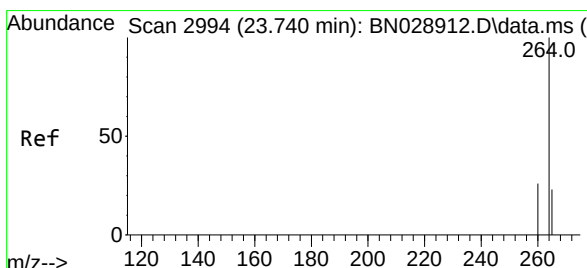
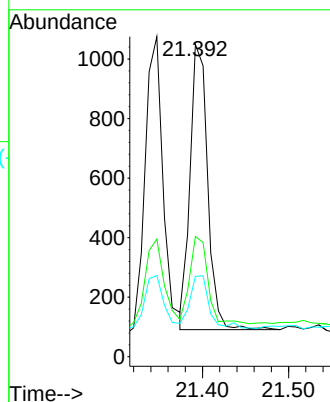
Tgt Ion:228 Resp: 1361

Ion Ratio Lower Upper

228 100

226 38.5 28.3 42.5

229 25.7 16.4 24.6#



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.684 min Scan# 2975

Delta R.T. -0.023 min

Lab File: BN028977.D

Acq: 02 Dec 2023 10:26

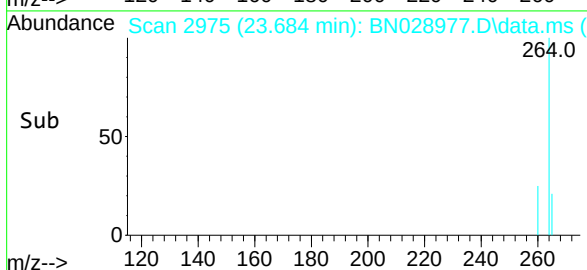
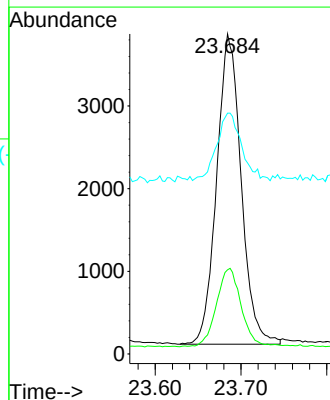
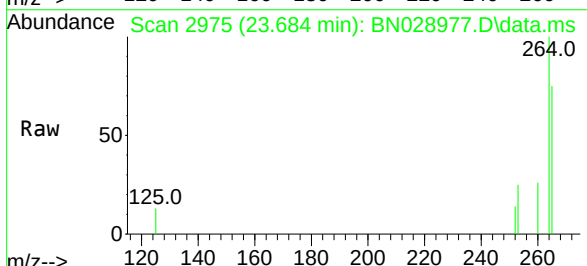
Tgt Ion:264 Resp: 7441

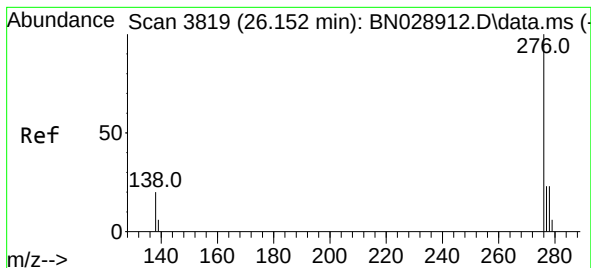
Ion Ratio Lower Upper

264 100

260 26.3 20.6 30.8

265 75.2 464.5 696.7#





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.055 ng

RT: 26.073 min Scan# 31

Delta R.T. -0.029 min

Lab File: BN028977.D

Acq: 02 Dec 2023 10:26

Instrument :

BNA_N

ClientSampleId :

RW8-MW01D1-20231111

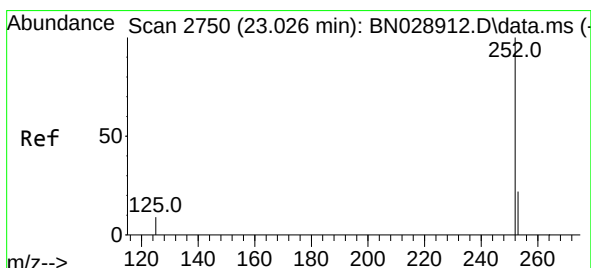
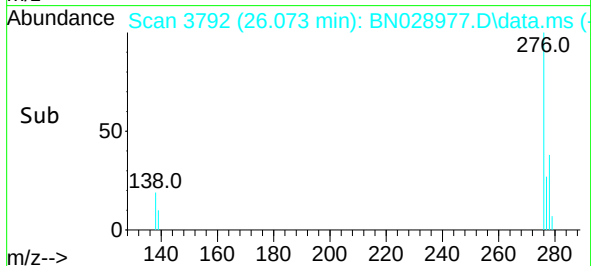
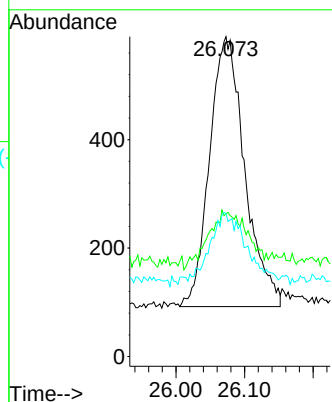
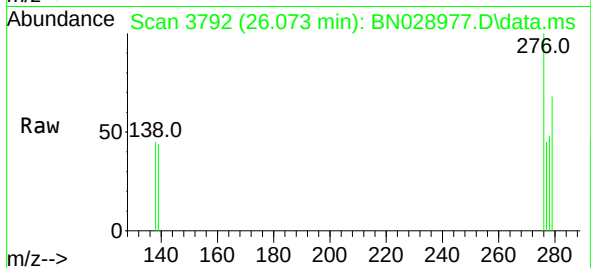
Tgt Ion:276 Resp: 1774

Ion Ratio Lower Upper

276 100

138 24.9 20.9 31.3

277 15.9 20.2 30.4#



#37

Benzo(b)fluoranthene

Concen: 0.050 ng

RT: 22.980 min Scan# 2734

Delta R.T. -0.018 min

Lab File: BN028977.D

Acq: 02 Dec 2023 10:26

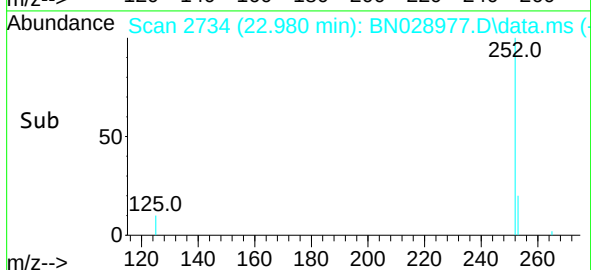
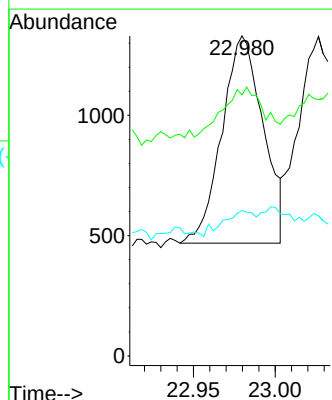
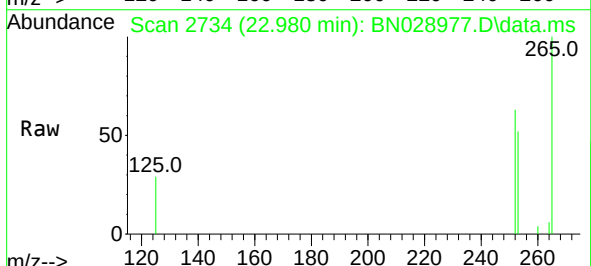
Tgt Ion:252 Resp: 1518

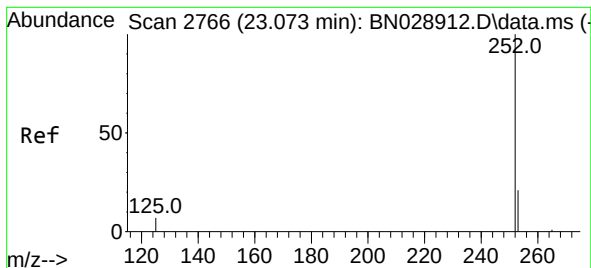
Ion Ratio Lower Upper

252 100

253 81.6 94.5 141.7#

125 45.5 23.8 35.8#





#38

Benzo(k)fluoranthene

Concen: 0.052 ng

RT: 23.026 min Scan# 21

Delta R.T. -0.018 min

Lab File: BN028977.D

Acq: 02 Dec 2023 10:26

Instrument :

BNA_N

ClientSampleId :

RW8-MW01D1-20231111

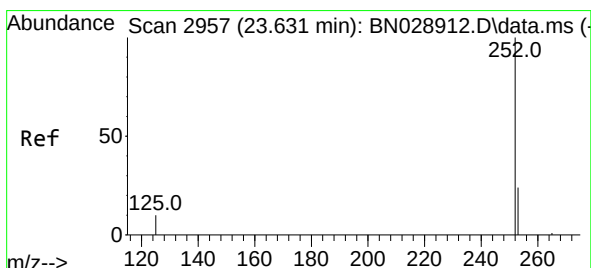
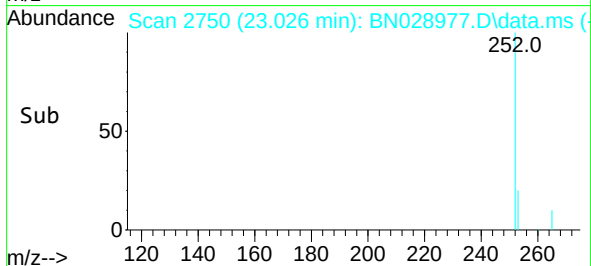
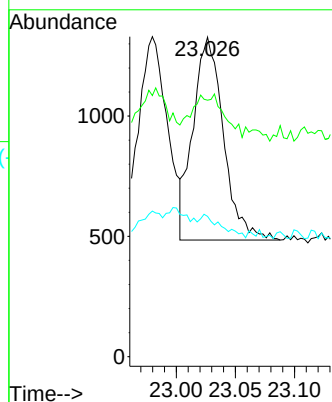
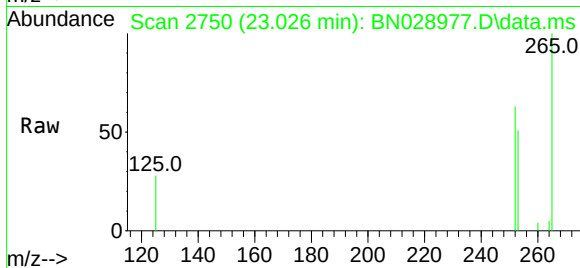
Tgt Ion:252 Resp: 1506

Ion Ratio Lower Upper

252 100

253 80.3 95.2 142.8#

125 43.9 24.3 36.5#



#39

Benzo(a)pyrene

Concen: 0.047 ng

RT: 23.582 min Scan# 2940

Delta R.T. -0.021 min

Lab File: BN028977.D

Acq: 02 Dec 2023 10:26

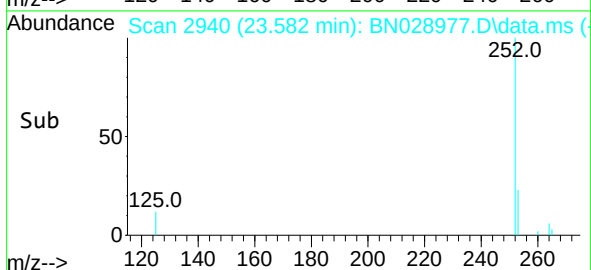
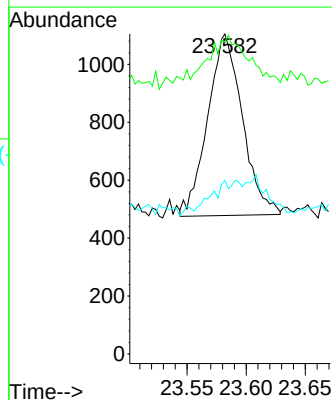
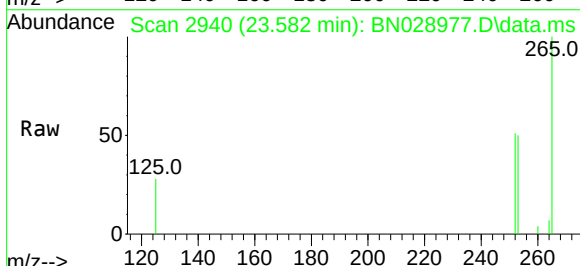
Tgt Ion:252 Resp: 1281

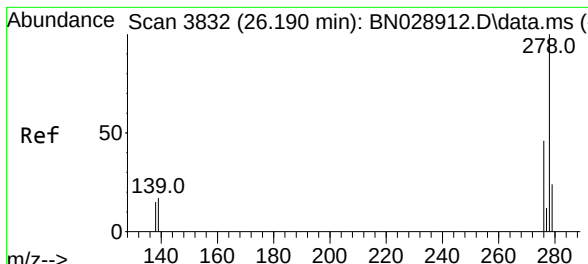
Ion Ratio Lower Upper

252 100

253 97.5 110.2 165.4#

125 54.2 27.0 40.4#





#40

Dibenzo(a,h)anthracene

Concen: 0.056 ng

RT: 26.093 min Scan# 31

Delta R.T. -0.038 min

Lab File: BN028977.D

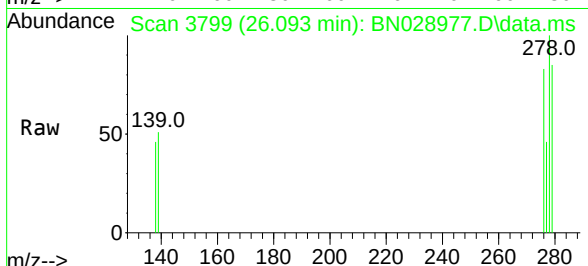
Acq: 02 Dec 2023 10:26

Instrument :

BNA_N

ClientSampleId :

RW8-MW01D1-20231111



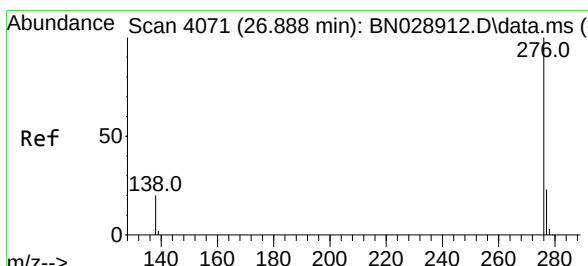
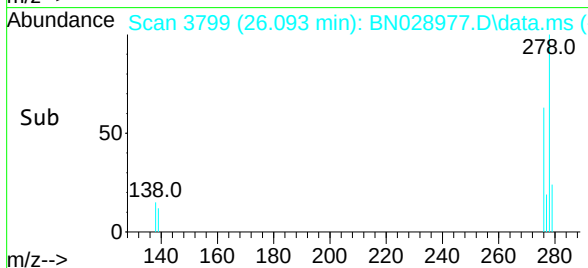
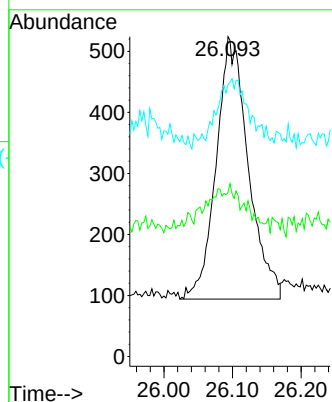
Tgt Ion:278 Resp: 1400

Ion Ratio Lower Upper

278 100

139 51.3 22.6 33.8#

279 85.1 102.6 153.8#



#41

Benzo(g,h,i)perylene

Concen: 0.054 ng

RT: 26.804 min Scan# 4042

Delta R.T. -0.038 min

Lab File: BN028977.D

Acq: 02 Dec 2023 10:26

Tgt Ion:276 Resp: 1514

Ion Ratio Lower Upper

276 100

277 45.1 28.9 43.3#

138 44.0 36.2 54.2

