

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022624\
 Data File : BN030061.D
 Acq On : 26 Feb 2024 17:00
 Operator : MA/JU
 Sample : P1577-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW10A-MW01S-20240221

Quant Time: Feb 26 17:44:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 02:39:45 2024
 Response via : Initial Calibration

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

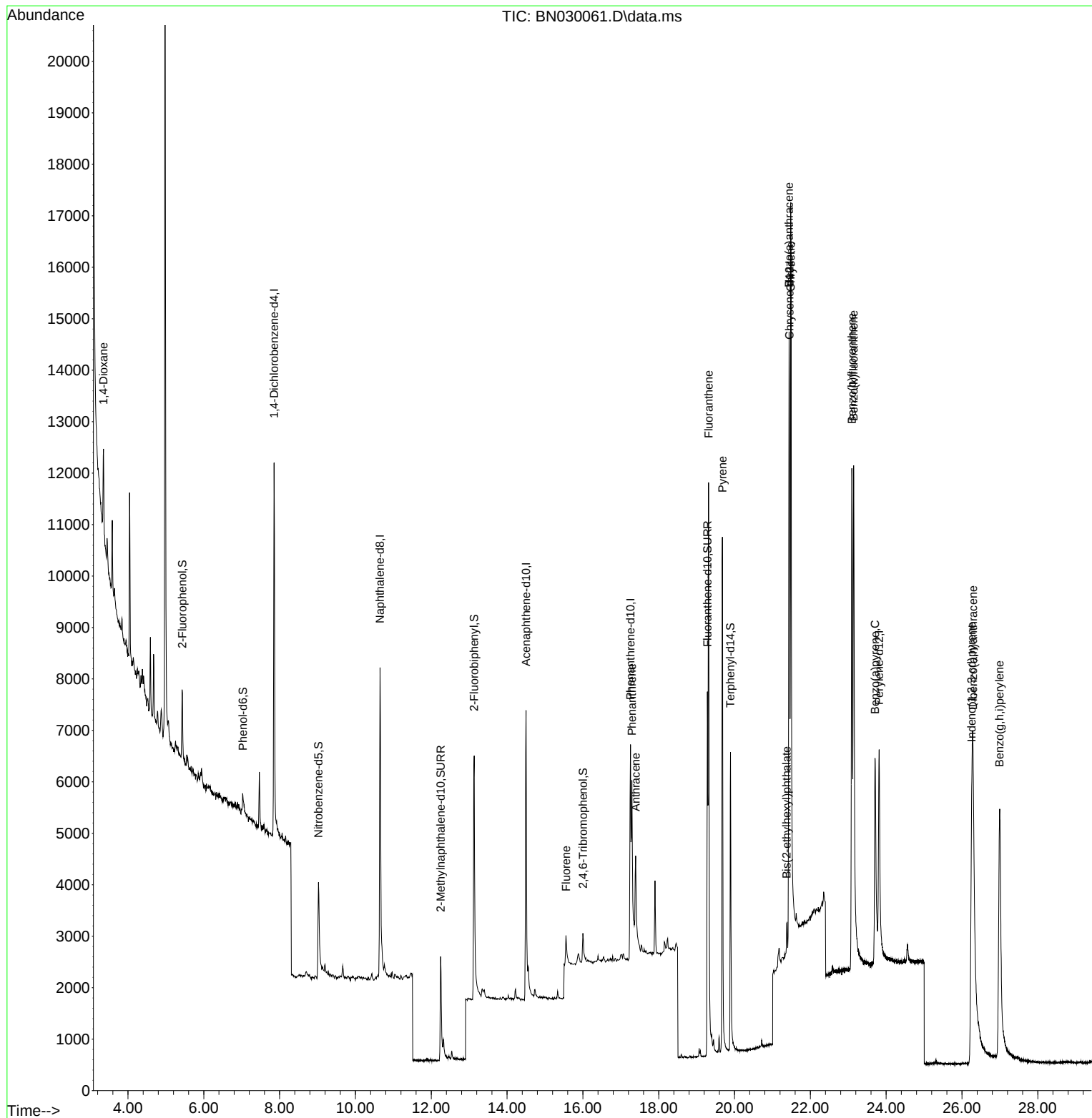
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	3873	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	9858	0.400	ng	# 0.00
13) Acenaphthene-d10	14.500	164	4351	0.400	ng	0.01
19) Phenanthrene-d10	17.255	188	8795	0.400	ng	0.00
29) Chrysene-d12	21.447	240	7046	0.400	ng	0.00
35) Perylene-d12	23.815	264	7130	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	1171	0.126	ng	0.00
5) Phenol-d6	7.031	99	615	0.057	ng	0.00
8) Nitrobenzene-d5	9.025	82	2690	0.328	ng	0.01
11) 2-Methylnaphthalene-d10	12.250	152	4106	0.306	ng	0.00
14) 2,4,6-Tribromophenol	16.002	330	494	0.354	ng	0.00
15) 2-Fluorobiphenyl	13.132	172	5988	0.321	ng	0.01
27) Fluoranthene-d10	19.285	212	9203	0.432	ng	0.00
31) Terphenyl-d14	19.894	244	7037	0.402	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.355	88	1037	0.190	ng	# 34
18) Fluorene	15.555	166	722	0.042	ng	91
25) Phenanthrene	17.293	178	3949	0.152	ng	98
26) Anthracene	17.392	178	3089	0.139	ng	99
28) Fluoranthene	19.317	202	11901	0.407	ng	99
30) Pyrene	19.680	202	10662	0.329	ng	99
32) Benzo(a)anthracene	21.438	228	10216	0.424	ng	99
33) Chrysene	21.483	228	15097	0.552	ng	99
34) Bis(2-ethylhexyl)phtha...	21.376	149	771	0.047	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.256	276	15090	0.526	ng	92
37) Benzo(b)fluoranthene	23.096	252	14210	0.557	ng	98
38) Benzo(k)fluoranthene	23.142	252	14838	0.556	ng	98
39) Benzo(a)pyrene	23.707	252	8890	0.400	ng	95
40) Dibenzo(a,h)anthracene	26.294	278	11646	0.510	ng	97
41) Benzo(g,h,i)perylene	26.993	276	13918	0.501	ng	97

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

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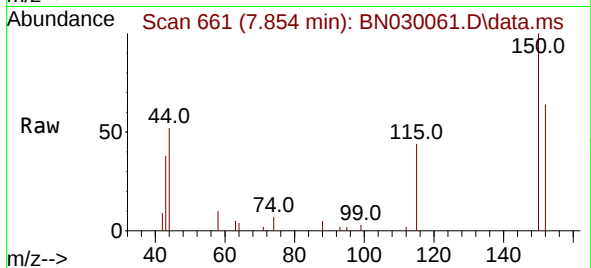
Quant Time: Feb 26 17:44:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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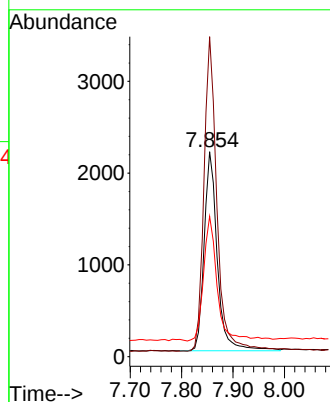
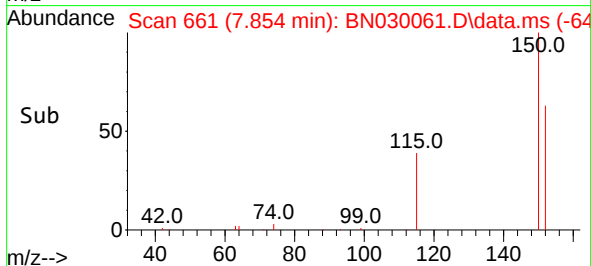


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.854 min Scan# 6
 Delta R.T. 0.000 min
 Lab File: BN030061.D
 Acq: 26 Feb 2024 17:00

Instrument :
 BNA_N
 ClientSampleId :
 RW10A-MW01S-20240221

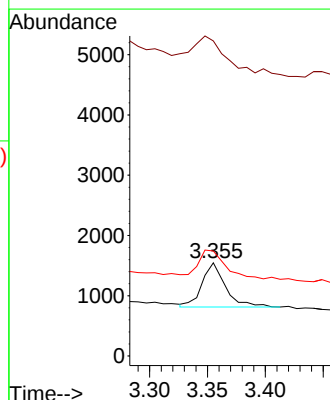
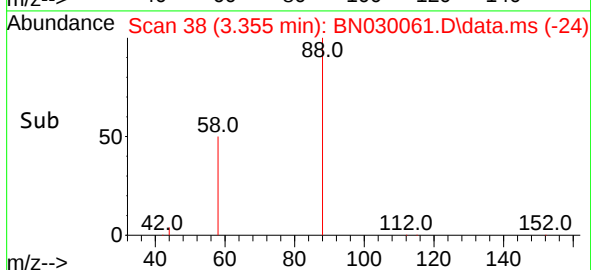
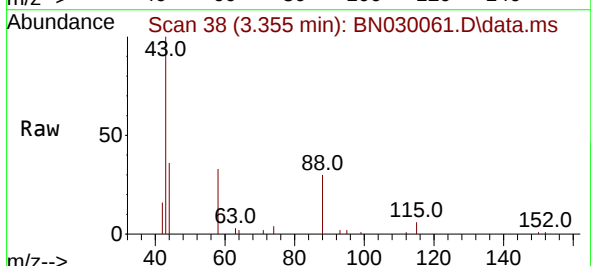


Tgt Ion:152 Resp: 3873
 Ion Ratio Lower Upper
 152 100
 150 156.1 123.0 184.4
 115 68.4 51.4 77.0



#2
 1,4-Dioxane
 Concen: 0.190 ng
 RT: 3.355 min Scan# 38
 Delta R.T. 0.000 min
 Lab File: BN030061.D
 Acq: 26 Feb 2024 17:00

Tgt Ion: 88 Resp: 1037
 Ion Ratio Lower Upper
 88 100
 43 125.7 23.3 34.9#
 58 80.5 53.8 80.6

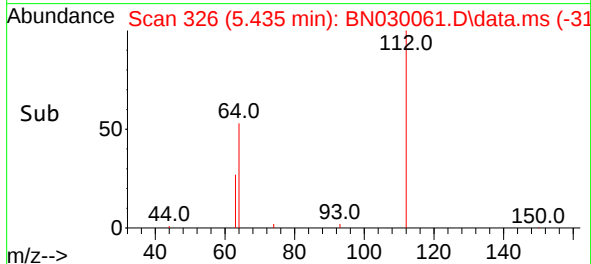
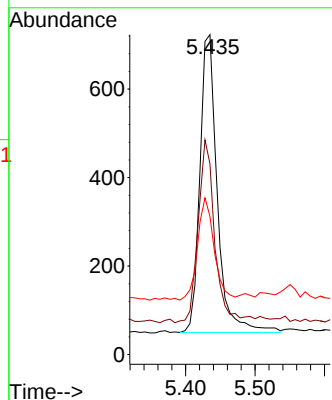
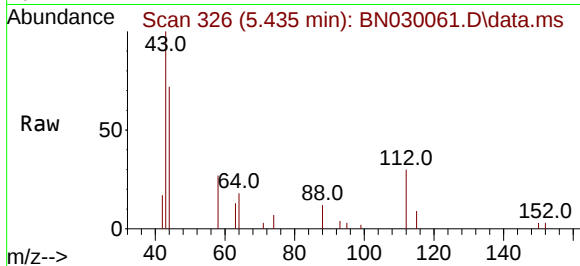




#4
2-Fluorophenol
Concen: 0.126 ng
RT: 5.435 min Scan# 31
Delta R.T. 0.007 min
Lab File: BN030061.D
Acq: 26 Feb 2024 17:00

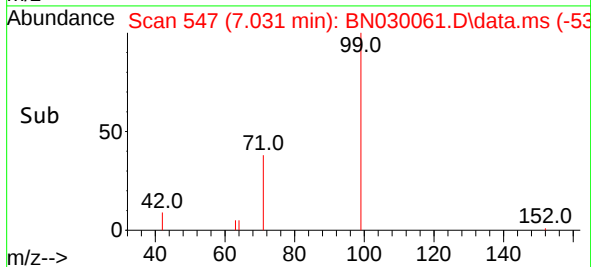
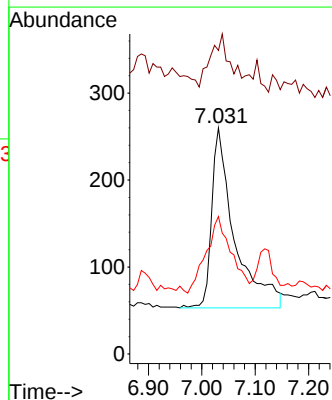
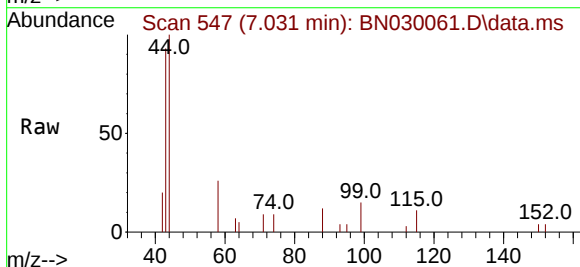
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01S-20240221

Tgt Ion:112 Resp: 1171
Ion Ratio Lower Upper
112 100
64 60.2 47.2 70.8
63 32.5 25.8 38.6



#5
Phenol-d6
Concen: 0.057 ng
RT: 7.031 min Scan# 547
Delta R.T. 0.007 min
Lab File: BN030061.D
Acq: 26 Feb 2024 17:00

Tgt Ion: 99 Resp: 615
Ion Ratio Lower Upper
99 100
42 25.7 16.9 25.3#
71 47.3 30.0 45.0#

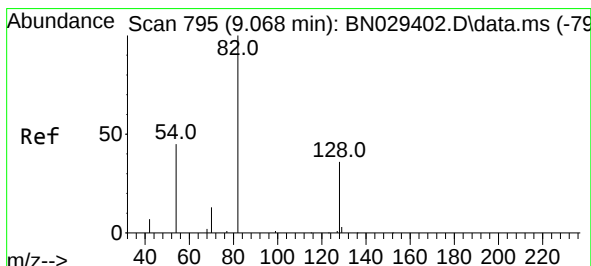
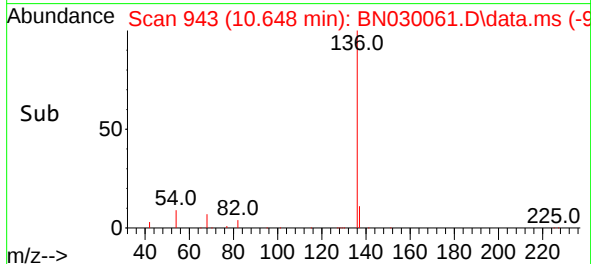
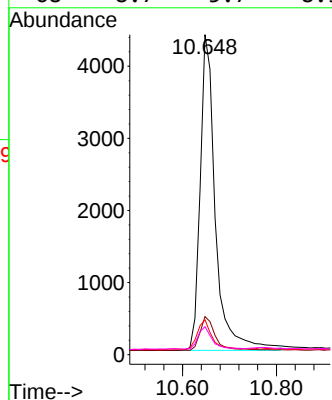
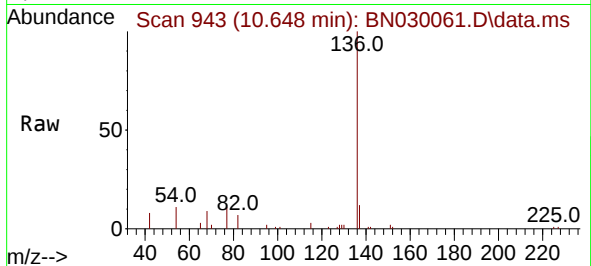




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN030061.D
Acq: 26 Feb 2024 17:00

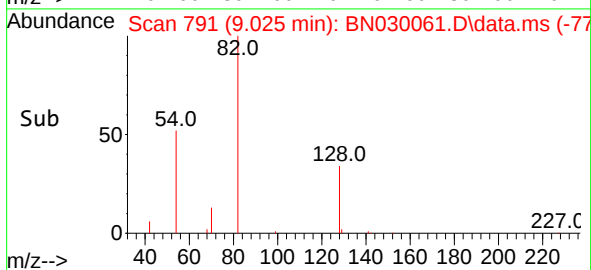
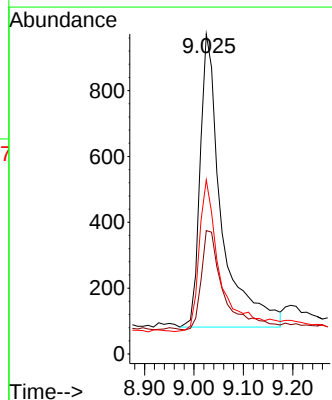
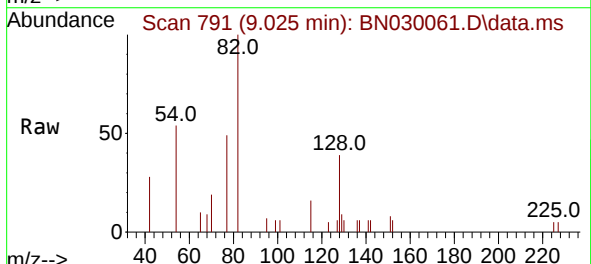
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01S-20240221

Tgt Ion:	136	Resp:	9858
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.7	14.5
54	10.9	6.6	10.0#
68	8.7	5.7	8.5#



#8
Nitrobenzene-d5
Concen: 0.328 ng
RT: 9.025 min Scan# 791
Delta R.T. 0.011 min
Lab File: BN030061.D
Acq: 26 Feb 2024 17:00

Tgt Ion:	82	Resp:	2690
Ion	Ratio	Lower	Upper
82	100		
128	38.6	31.6	47.4
54	54.4	38.2	57.4

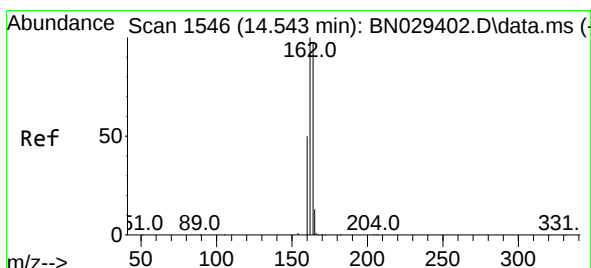
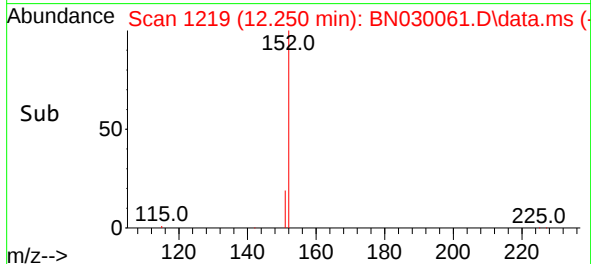
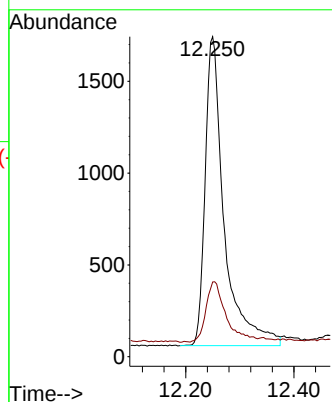
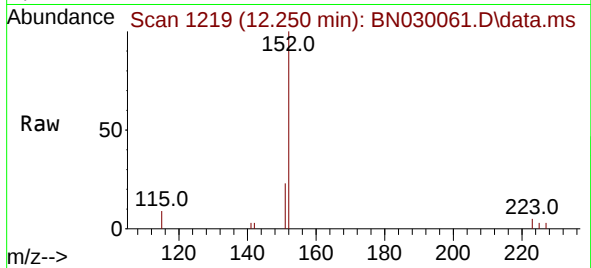




#11
2-Methylnaphthalene-d10
Concen: 0.306 ng
RT: 12.250 min Scan# 11
Delta R.T. 0.004 min
Lab File: BN030061.D
Acq: 26 Feb 2024 17:00

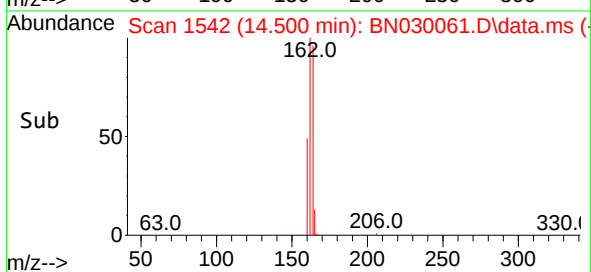
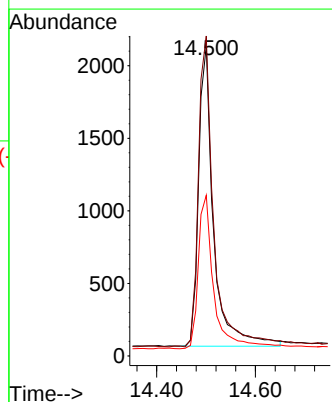
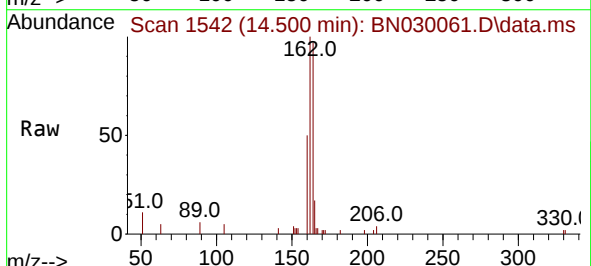
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01S-20240221

Tgt Ion:152 Resp: 4106
Ion Ratio Lower Upper
152 100
151 20.6 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.500 min Scan# 1542
Delta R.T. 0.011 min
Lab File: BN030061.D
Acq: 26 Feb 2024 17:00

Tgt Ion:164 Resp: 4351
Ion Ratio Lower Upper
164 100
162 103.3 82.6 123.8
160 51.9 41.5 62.3

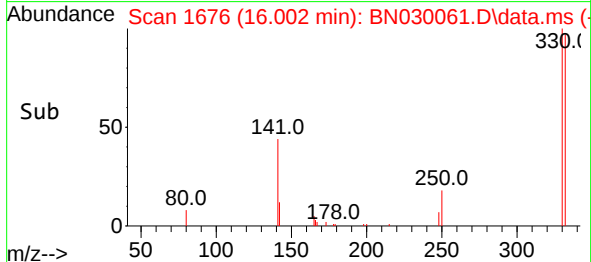
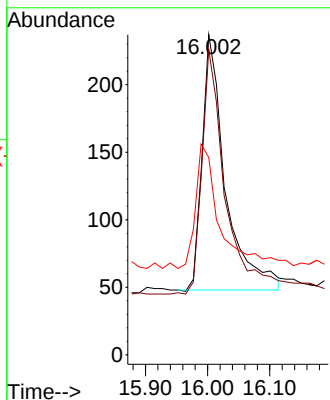
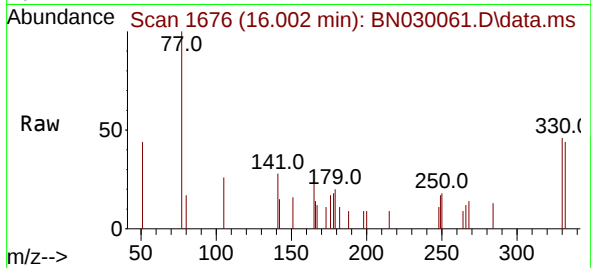




#14
2,4,6-Tribromophenol
Concen: 0.354 ng
RT: 16.002 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BN030061.D
Acq: 26 Feb 2024 17:00

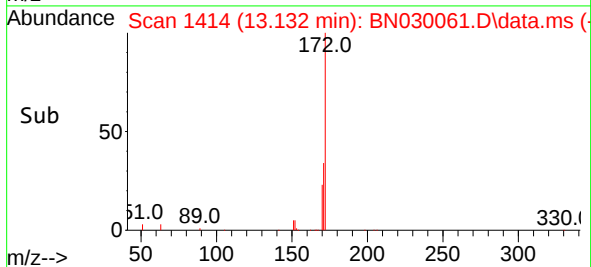
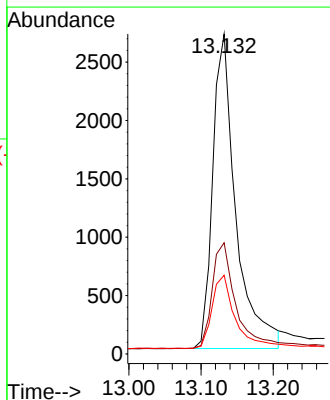
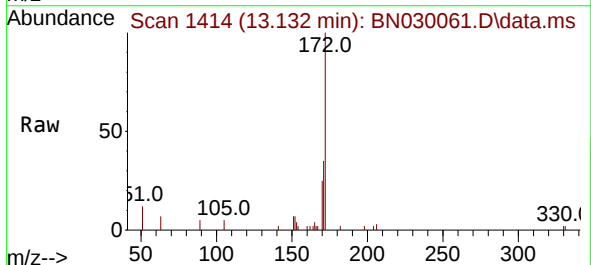
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ClientSampleId :
RW10A-MW01S-20240221

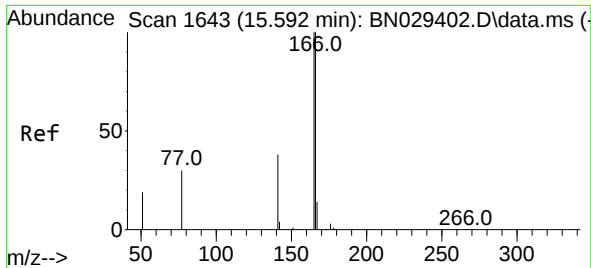
Tgt Ion:330 Resp: 494
Ion Ratio Lower Upper
330 100
332 96.6 76.0 114.0
141 50.6 43.4 65.2



#15
2-Fluorobiphenyl
Concen: 0.321 ng
RT: 13.132 min Scan# 1414
Delta R.T. 0.011 min
Lab File: BN030061.D
Acq: 26 Feb 2024 17:00

Tgt Ion:172 Resp: 5988
Ion Ratio Lower Upper
172 100
171 34.8 28.0 42.0
170 24.6 18.7 28.1

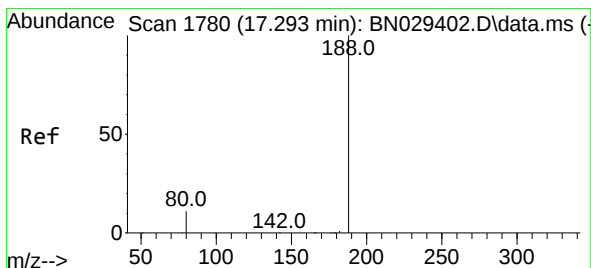
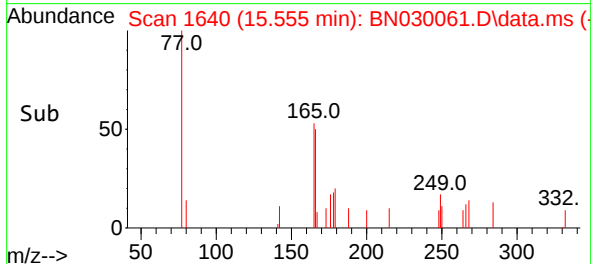
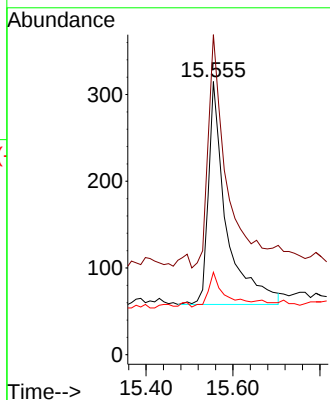
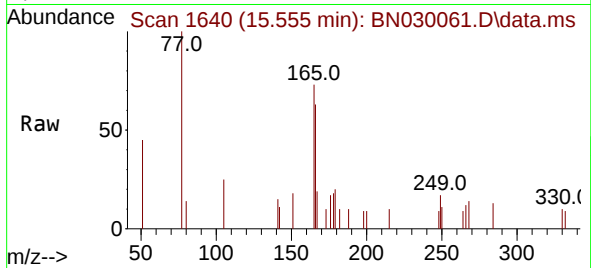




#18
Fluorene
Concen: 0.042 ng
RT: 15.555 min Scan# 1
Delta R.T. 0.013 min
Lab File: BN030061.D
Acq: 26 Feb 2024 17:00

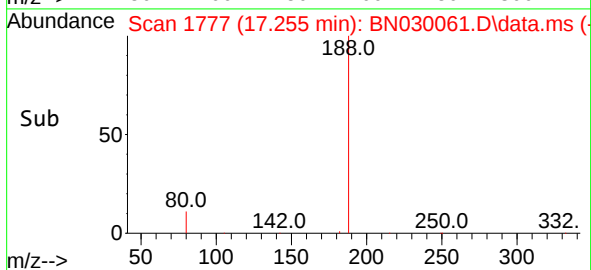
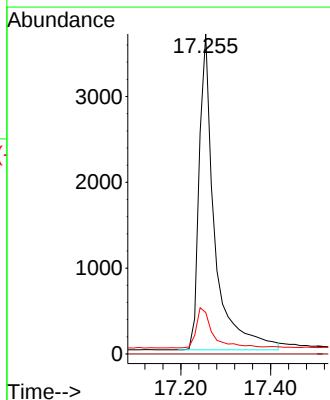
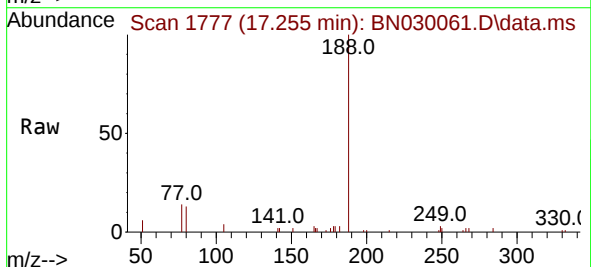
Instrument :
BNA_N
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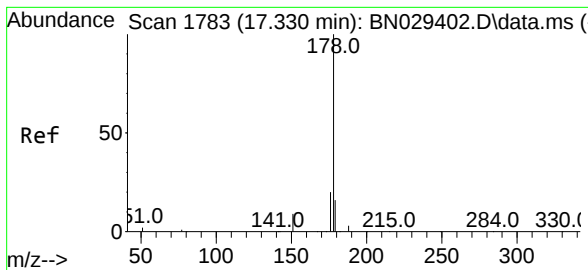
Tgt Ion:	166	Resp:	722
Ion Ratio	Lower	Upper	
166	100		
165	109.6	79.9	119.9
167	14.5	11.3	16.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.255 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BN030061.D
Acq: 26 Feb 2024 17:00

Tgt Ion:	188	Resp:	8795
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.9	10.0	15.0





#25

Phenanthrene

Concen: 0.152 ng

RT: 17.293 min Scan# 1780

Delta R.T. 0.000 min

Lab File: BN030061.D

Acq: 26 Feb 2024 17:00

Instrument :

BNA_N

ClientSampleId :

RW10A-MW01S-20240221

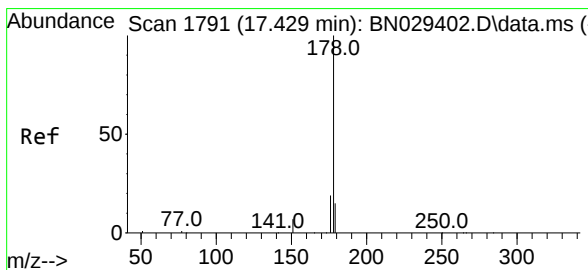
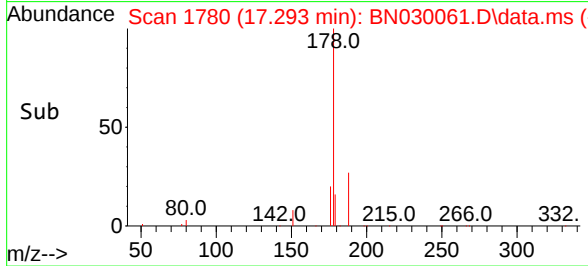
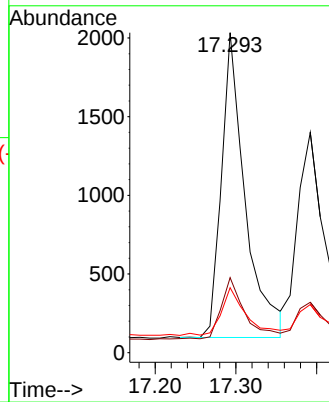
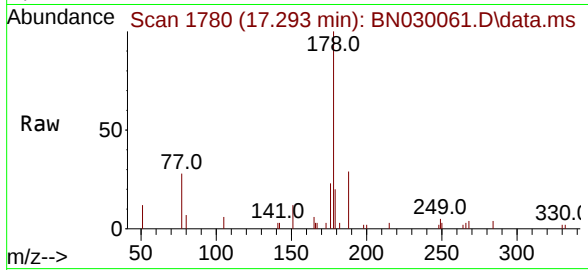
Tgt Ion:178 Resp: 3949

Ion Ratio Lower Upper

178 100

176 21.3 15.8 23.6

179 16.2 12.6 19.0



#26

Anthracene

Concen: 0.139 ng

RT: 17.392 min Scan# 1788

Delta R.T. 0.000 min

Lab File: BN030061.D

Acq: 26 Feb 2024 17:00

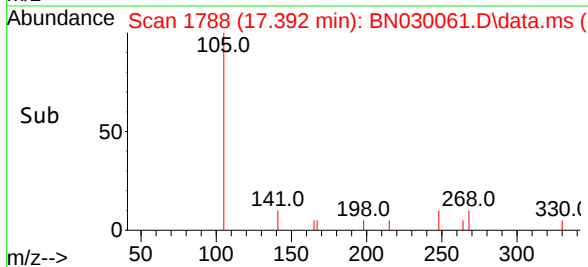
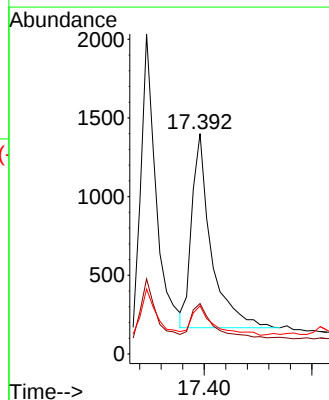
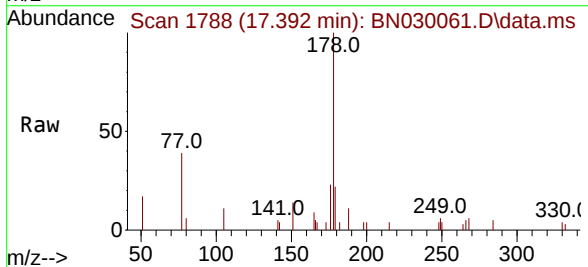
Tgt Ion:178 Resp: 3089

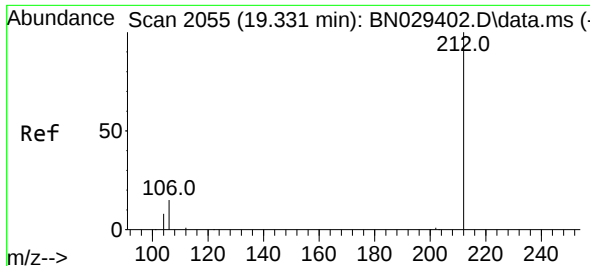
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 15.6 12.3 18.5

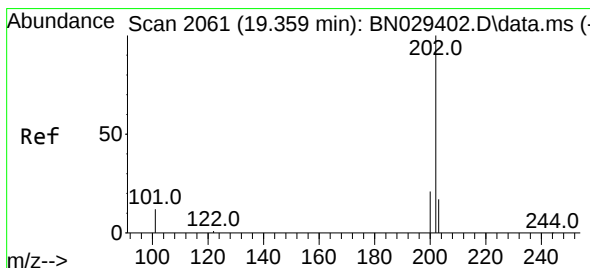
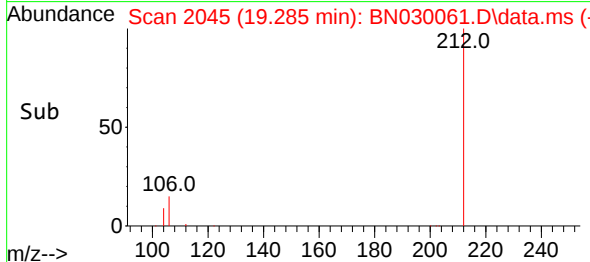
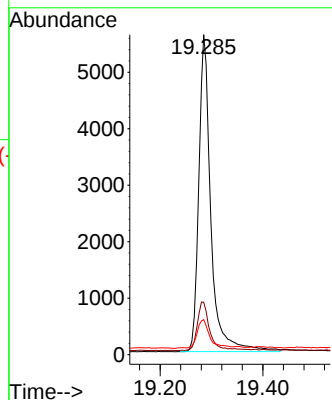
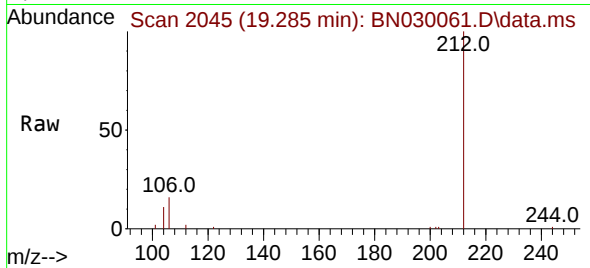




#27
Fluoranthene-d10
Concen: 0.432 ng
RT: 19.285 min Scan# 2045
Delta R.T. -0.004 min
Lab File: BN030061.D
Acq: 26 Feb 2024 17:00

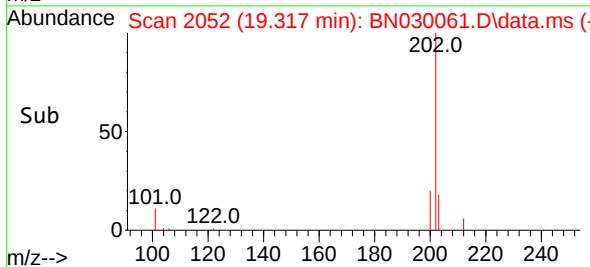
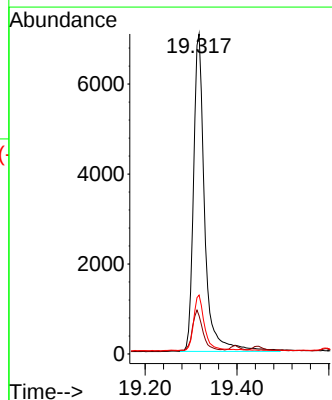
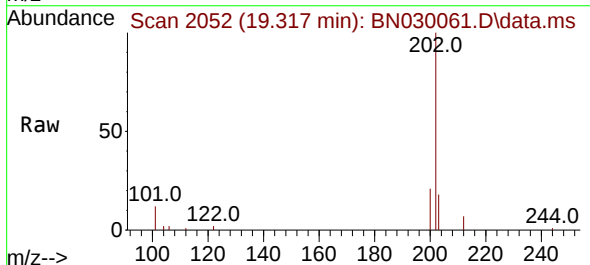
Instrument :
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ClientSampleId :
RW10A-MW01S-20240221

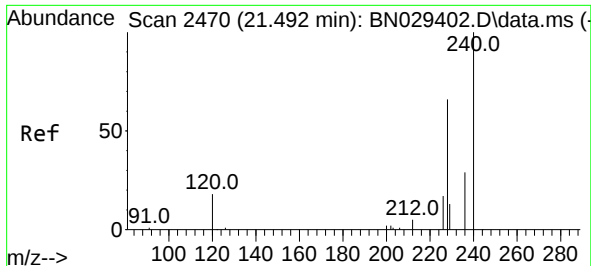
Tgt Ion:212 Resp: 9203
Ion Ratio Lower Upper
212 100
106 15.9 13.2 19.8
104 9.2 7.7 11.5



#28
Fluoranthene
Concen: 0.407 ng
RT: 19.317 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BN030061.D
Acq: 26 Feb 2024 17:00

Tgt Ion:202 Resp: 11901
Ion Ratio Lower Upper
202 100
101 12.2 10.5 15.7
203 16.8 13.5 20.3

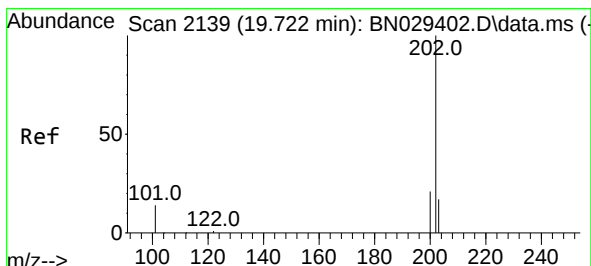
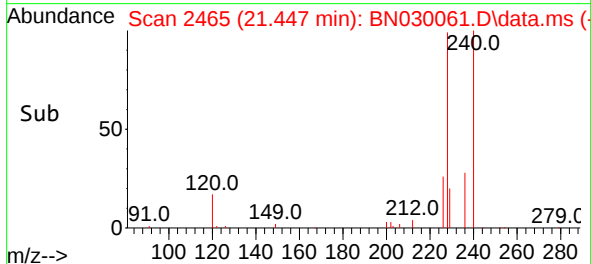
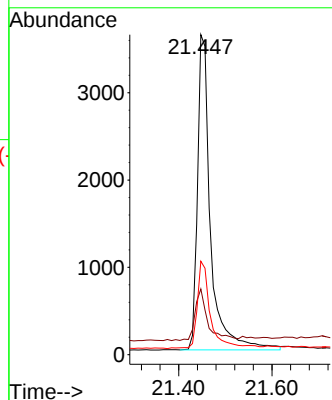
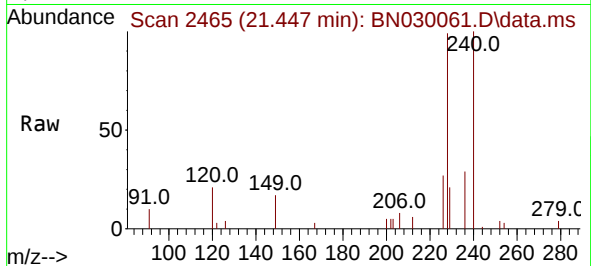




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.447 min Scan# 2465
Delta R.T. -0.009 min
Lab File: BN030061.D
Acq: 26 Feb 2024 17:00

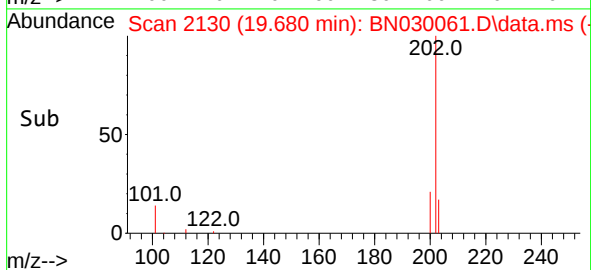
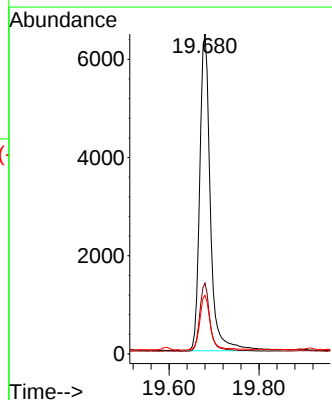
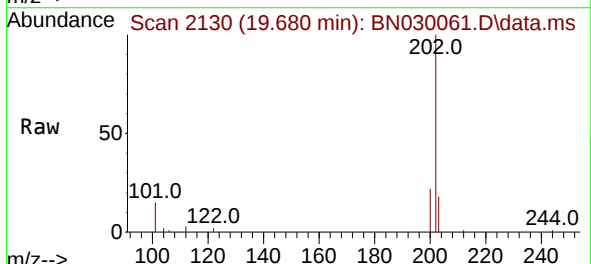
Instrument :
BNA_N
ClientSampleId :
RW10A-MW01S-20240221

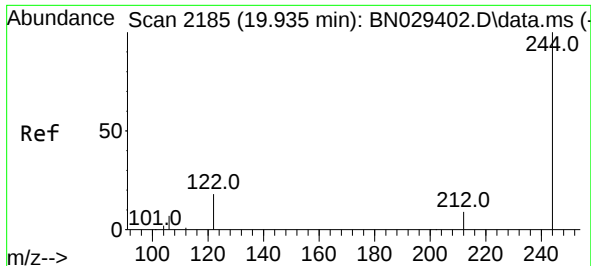
Tgt Ion:240 Resp: 7046
Ion Ratio Lower Upper
240 100
120 20.5 16.7 25.1
236 29.2 23.9 35.9



#30
Pyrene
Concen: 0.329 ng
RT: 19.680 min Scan# 2130
Delta R.T. -0.004 min
Lab File: BN030061.D
Acq: 26 Feb 2024 17:00

Tgt Ion:202 Resp: 10662
Ion Ratio Lower Upper
202 100
200 20.7 16.6 25.0
203 17.3 14.2 21.4

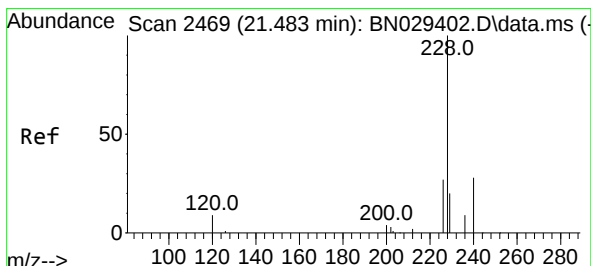
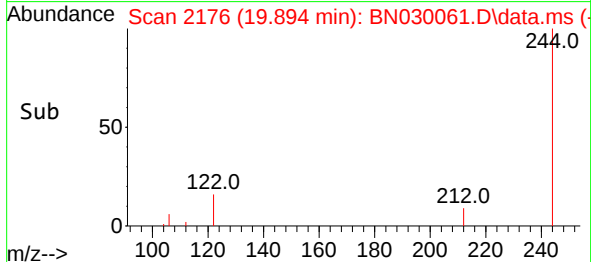
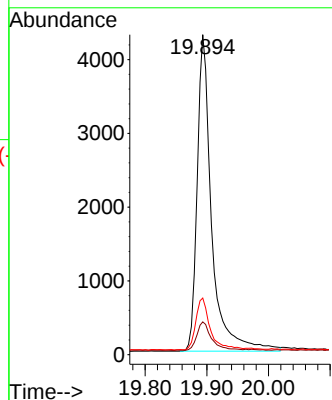
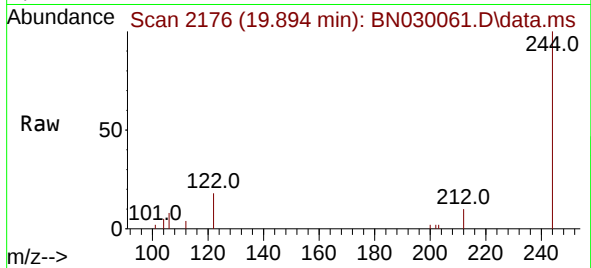




#31
 Terphenyl-d14
 Concen: 0.402 ng
 RT: 19.894 min Scan# 2185
 Delta R.T. -0.004 min
 Lab File: BN030061.D
 Acq: 26 Feb 2024 17:00

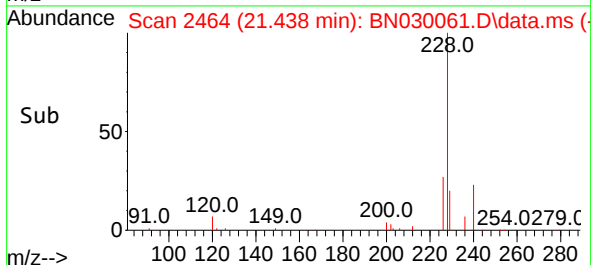
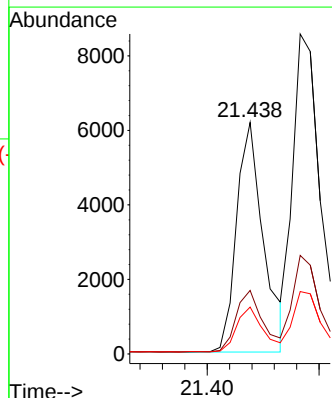
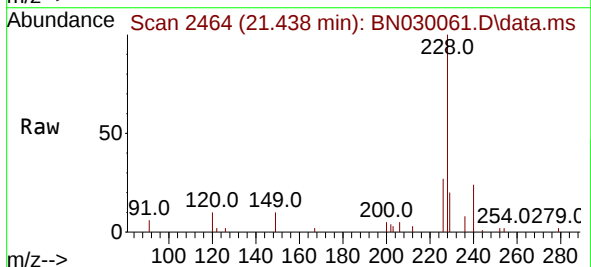
Instrument :
 BNA_N
 ClientSampleId :
 RW10A-MW01S-20240221

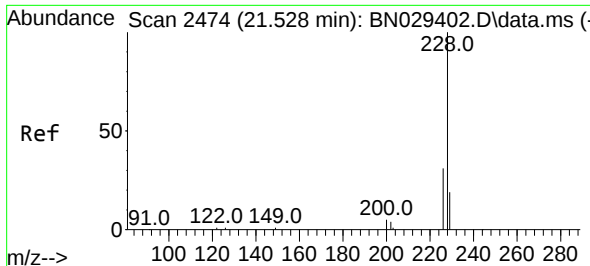
Tgt Ion:244 Resp: 7037
 Ion Ratio Lower Upper
 244 100
 212 10.2 8.2 12.4
 122 17.7 15.6 23.4



#32
 Benzo(a)anthracene
 Concen: 0.424 ng
 RT: 21.438 min Scan# 2464
 Delta R.T. 0.000 min
 Lab File: BN030061.D
 Acq: 26 Feb 2024 17:00

Tgt Ion:228 Resp: 10216
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.2 33.4
 229 20.2 16.5 24.7





#33

Chrysene

Concen: 0.552 ng

RT: 21.483 min Scan# 2469

Delta R.T. -0.009 min

Lab File: BN030061.D

Acq: 26 Feb 2024 17:00

Instrument :

BNA_N

ClientSampleId :

RW10A-MW01S-20240221

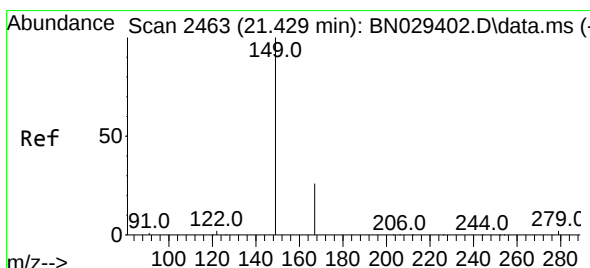
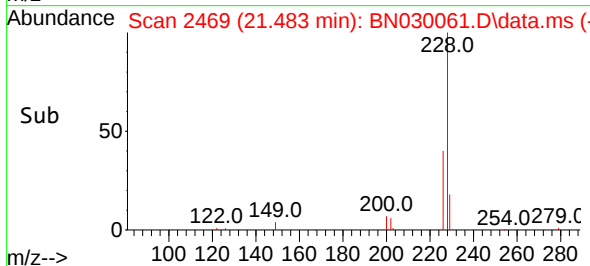
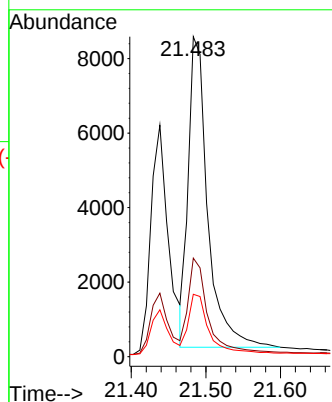
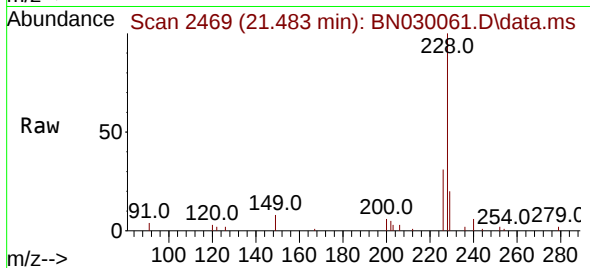
Tgt Ion:228 Resp: 15097

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

229 19.5 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.047 ng

RT: 21.376 min Scan# 2457

Delta R.T. -0.009 min

Lab File: BN030061.D

Acq: 26 Feb 2024 17:00

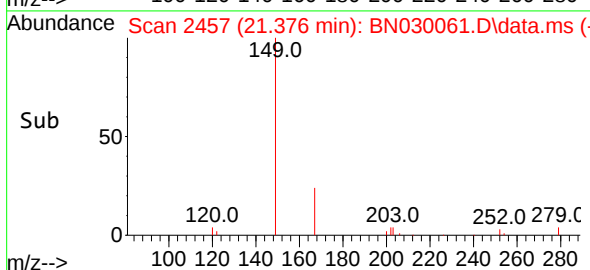
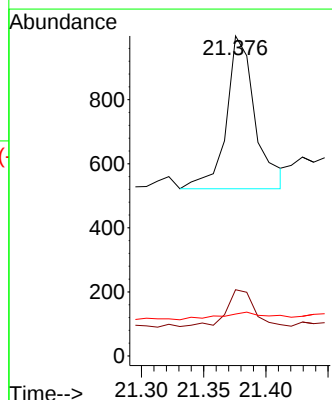
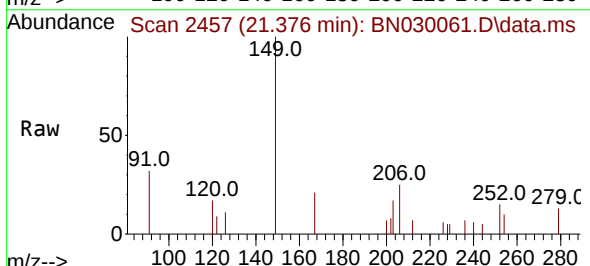
Tgt Ion:149 Resp: 771

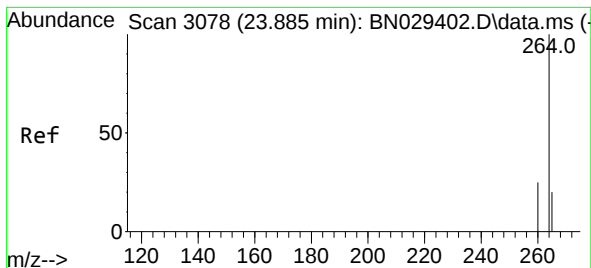
Ion Ratio Lower Upper

149 100

167 25.0 20.1 30.1

279 8.8 2.5 3.7#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.815 min Scan# 3078

Delta R.T. -0.006 min

Lab File: BN030061.D

Acq: 26 Feb 2024 17:00

Instrument :

BNA_N

ClientSampleId :

RW10A-MW01S-20240221

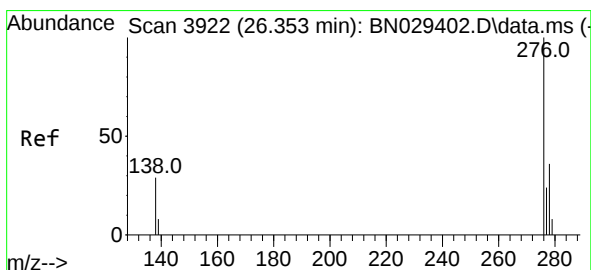
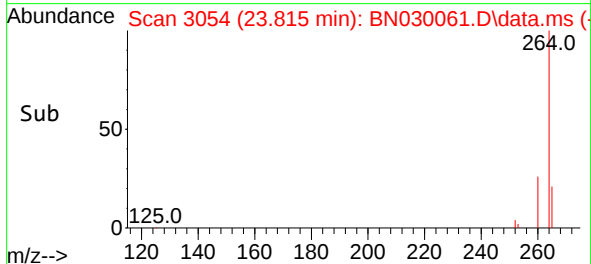
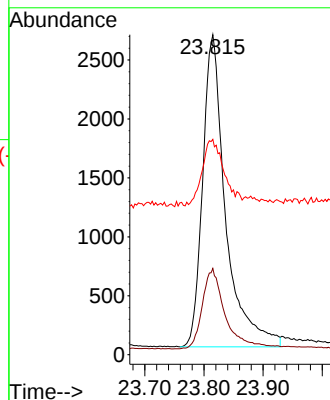
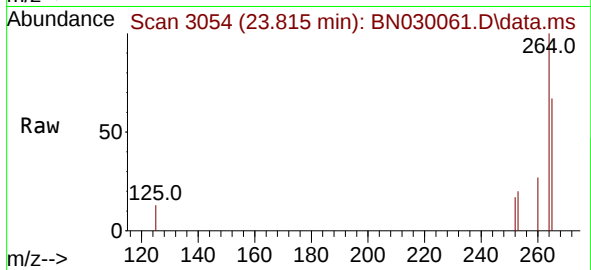
Tgt Ion:264 Resp: 7130

Ion Ratio Lower Upper

264 100

260 27.0 21.2 31.8

265 67.3 41.5 62.3#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.526 ng

RT: 26.256 min Scan# 3889

Delta R.T. -0.012 min

Lab File: BN030061.D

Acq: 26 Feb 2024 17:00

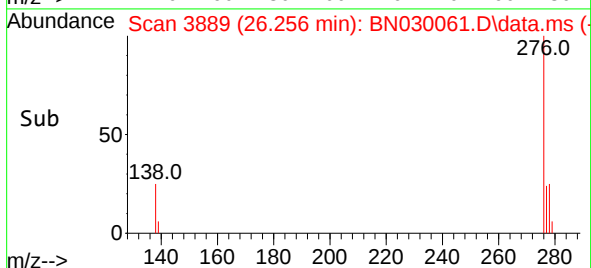
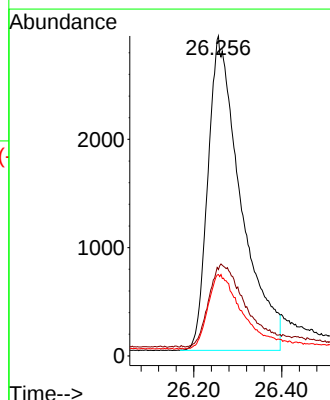
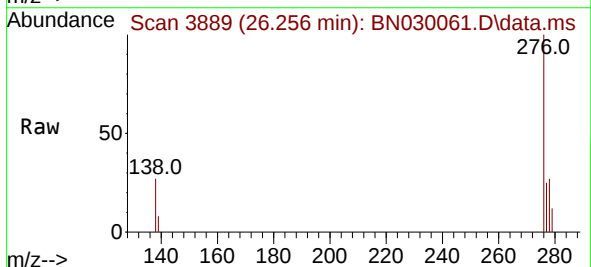
Tgt Ion:276 Resp: 15090

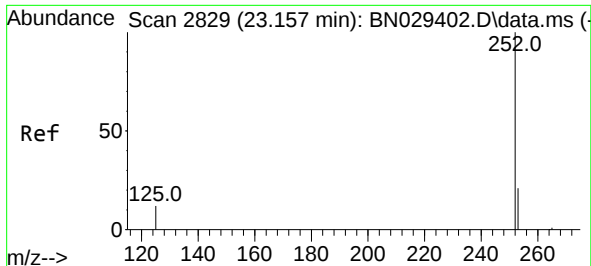
Ion Ratio Lower Upper

276 100

138 29.8 20.5 30.7

277 24.5 17.0 25.4





#37

Benzo(b)fluoranthene

Concen: 0.557 ng

RT: 23.096 min Scan# 2808

Delta R.T. -0.003 min

Lab File: BN030061.D

Acq: 26 Feb 2024 17:00

Instrument :

BNA_N

ClientSampleId :

RW10A-MW01S-20240221

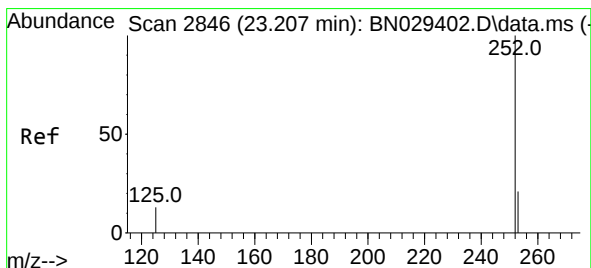
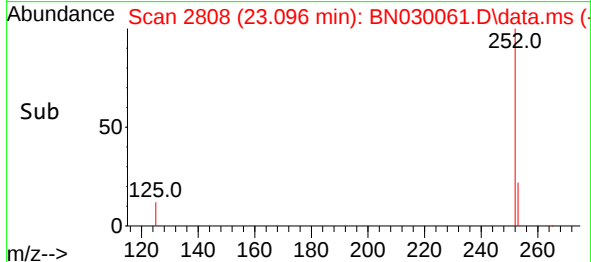
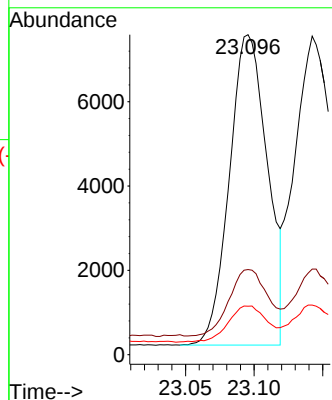
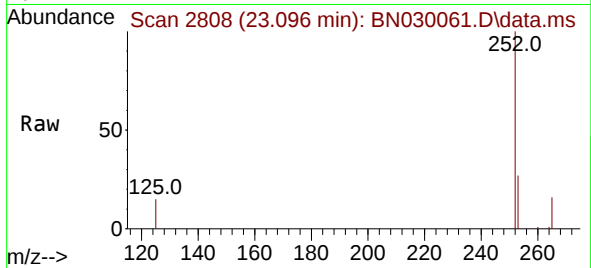
Tgt Ion:252 Resp: 14210

Ion Ratio Lower Upper

252 100

253 26.6 21.7 32.5

125 15.2 13.3 19.9



#38

Benzo(k)fluoranthene

Concen: 0.556 ng

RT: 23.142 min Scan# 2824

Delta R.T. -0.006 min

Lab File: BN030061.D

Acq: 26 Feb 2024 17:00

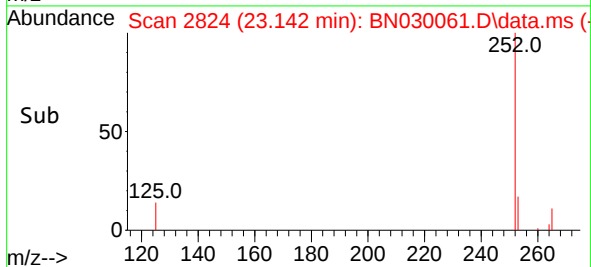
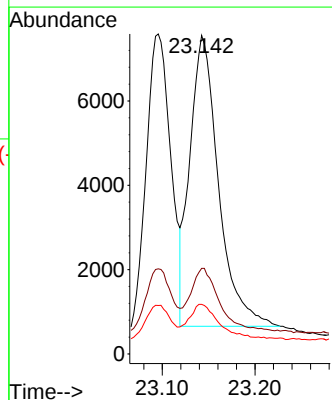
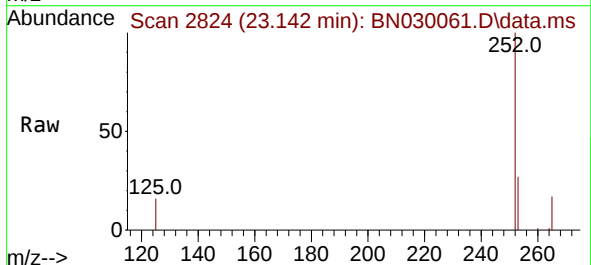
Tgt Ion:252 Resp: 14838

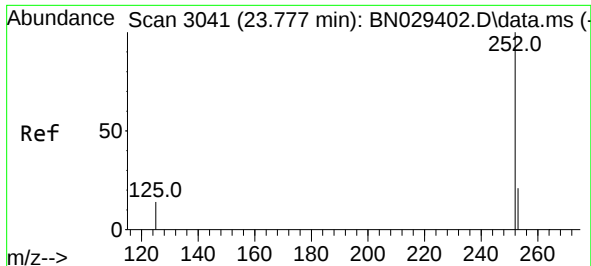
Ion Ratio Lower Upper

252 100

253 26.9 21.8 32.8

125 15.6 13.9 20.9





#39

Benzo(a)pyrene

Concen: 0.400 ng

RT: 23.707 min Scan# 3017

Delta R.T. -0.009 min

Lab File: BN030061.D

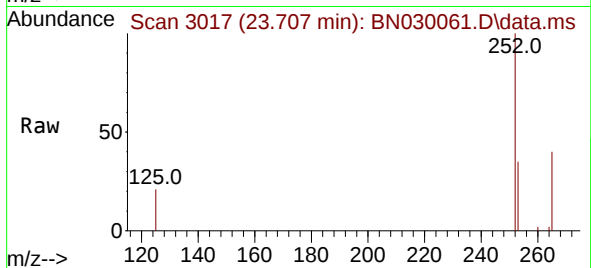
Acq: 26 Feb 2024 17:00

Instrument :

BNA_N

ClientSampleId :

RW10A-MW01S-20240221



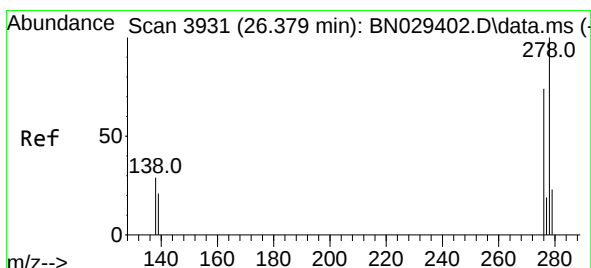
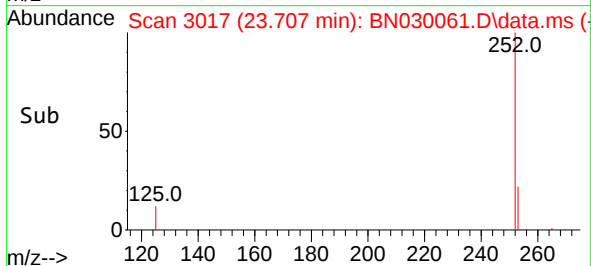
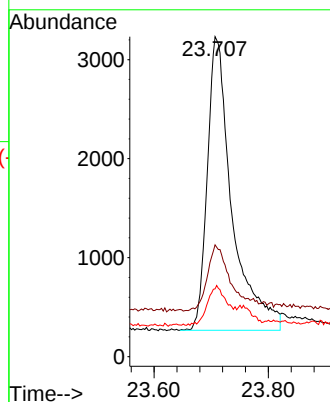
Tgt Ion:252 Resp: 8890

Ion Ratio Lower Upper

252 100

253 34.9 24.9 37.3

125 21.2 16.6 25.0



#40

Dibenzo(a,h)anthracene

Concen: 0.510 ng

RT: 26.294 min Scan# 3902

Delta R.T. -0.009 min

Lab File: BN030061.D

Acq: 26 Feb 2024 17:00

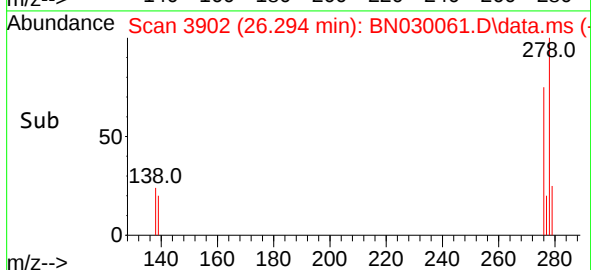
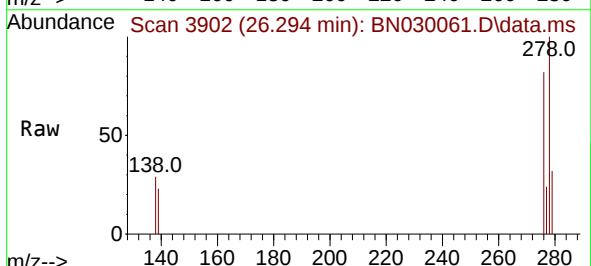
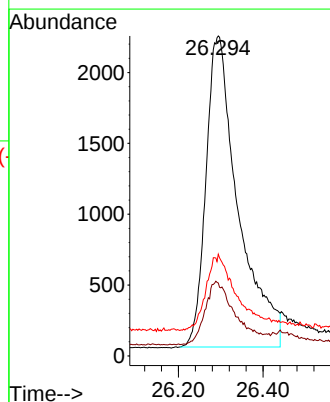
Tgt Ion:278 Resp: 11646

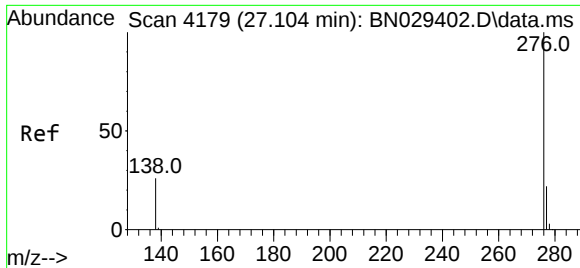
Ion Ratio Lower Upper

278 100

139 22.8 20.4 30.6

279 31.8 25.0 37.6





#41

Benzo(g,h,i)perylene

Concen: 0.501 ng

RT: 26.993 min Scan# 41

Delta R.T. -0.014 min

Lab File: BN030061.D

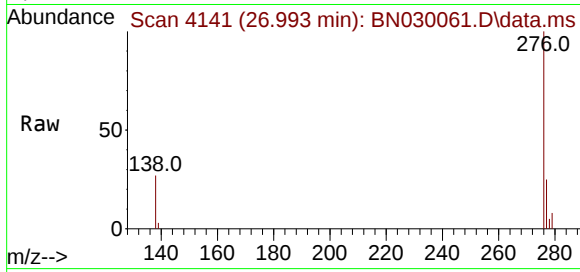
Acq: 26 Feb 2024 17:00

Instrument :

BNA_N

ClientSampleId :

RW10A-MW01S-20240221



Tgt Ion:276 Resp: 13918

Ion Ratio Lower Upper

276 100

277 24.7 19.4 29.2

138 26.8 23.5 35.3

