

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040824\
 Data File : BN030777.D
 Acq On : 08 Apr 2024 20:13
 Operator : MA/JU
 Sample : P2002-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RMW-06B-21-040424

Quant Time: Apr 09 04:25:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN033024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 00:04:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.689	152	4944	0.400	ng	-0.01
7) Naphthalene-d8	10.464	136	15885	0.400	ng	-0.02
13) Acenaphthene-d10	14.327	164	9972	0.400	ng	-0.01
19) Phenanthrene-d10	17.077	188	24580	0.400	ng	-0.01
29) Chrysene-d12	21.267	240	21890	0.400	ng	#-0.02
35) Perylene-d12	23.507	264	18524	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.284	112	1367	0.127	ng	-0.01
5) Phenol-d6	6.859	99	978	0.071	ng	-0.01
8) Nitrobenzene-d5	8.841	82	2747	0.246	ng	-0.01
11) 2-Methylnaphthalene-d10	12.062	152	6977	0.287	ng	-0.02
14) 2,4,6-Tribromophenol	15.824	330	1097	0.291	ng	-0.01
15) 2-Fluorobiphenyl	12.948	172	9730	0.252	ng	-0.02
27) Fluoranthene-d10	19.107	212	22595	0.341	ng	-0.02
31) Terphenyl-d14	19.711	244	17109	0.338	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.226	88	7356	1.233	ng	# 11
9) Naphthalene	10.517	128	4196	0.095	ng	# 94
12) 2-Methylnaphthalene	12.134	142	1968	0.068	ng	# 94
28) Fluoranthene	19.140	202	1781	0.021	ng	# 68
32) Benzo(a)anthracene	21.249	228	2487	0.032	ng	# 91
33) Chrysene	21.303	228	2622	0.032	ng	93
34) Bis(2-ethylhexyl)phtha...	21.186	149	5931	0.176	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.764	276	2076	0.025	ng	98
37) Benzo(b)fluoranthene	22.831	252	2743	0.036	ng	# 30
38) Benzo(k)fluoranthene	22.875	252	2678	0.035	ng	# 35
39) Benzo(a)pyrene	23.407	252	1637	0.027	ng	# 1
40) Dibenzo(a,h)anthracene	25.787	278	1651	0.025	ng	# 47
41) Benzo(g,h,i)perylene	26.451	276	1676	0.024	ng	# 65

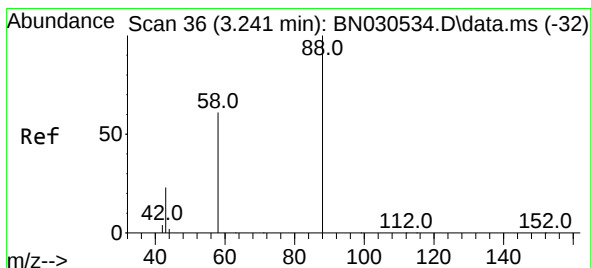
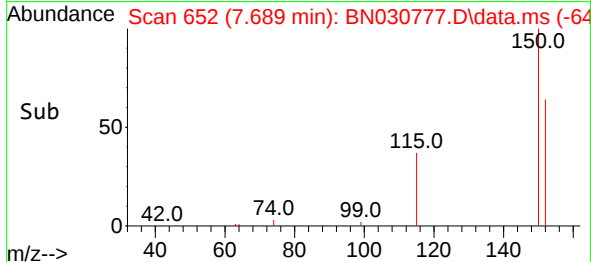
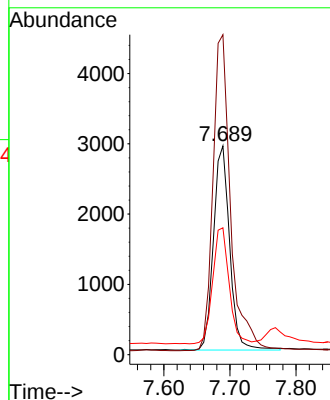
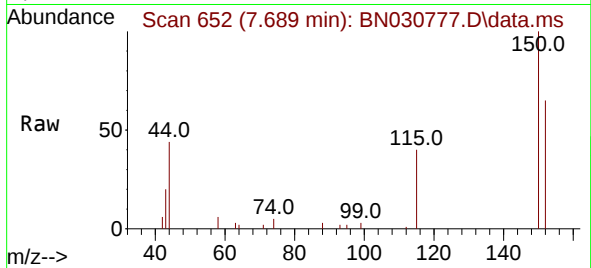
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.689 min Scan# 61
 Delta R.T. -0.015 min
 Lab File: BN030777.D
 Acq: 08 Apr 2024 20:13

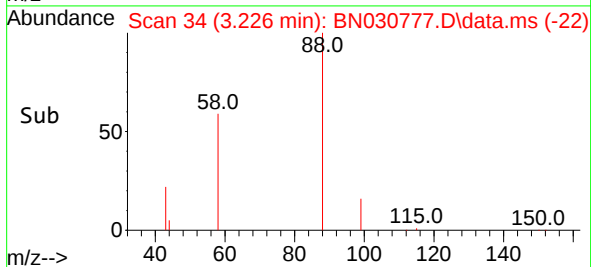
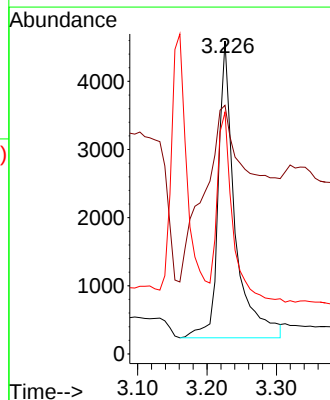
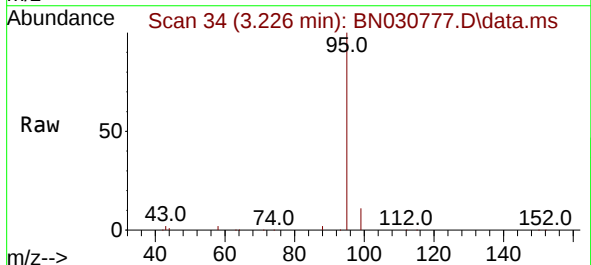
Instrument :
 BNA_N
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 RMW-06B-21-040424

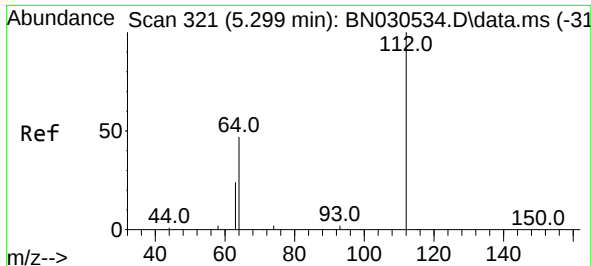
Tgt Ion:152 Resp: 4944
 Ion Ratio Lower Upper
 152 100
 150 153.3 124.2 186.4
 115 60.8 48.6 72.8



#2
 1,4-Dioxane
 Concen: 1.233 ng
 RT: 3.226 min Scan# 34
 Delta R.T. -0.015 min
 Lab File: BN030777.D
 Acq: 08 Apr 2024 20:13

Tgt Ion: 88 Resp: 7356
 Ion Ratio Lower Upper
 88 100
 43 168.7 21.9 32.9#
 58 55.3 53.4 80.2





#4

2-Fluorophenol

Concen: 0.127 ng

RT: 5.284 min Scan# 31

Delta R.T. -0.015 min

Lab File: BN030777.D

Acq: 08 Apr 2024 20:13

Instrument :

BNA_N

ClientSampleId :

RMW-06B-21-040424

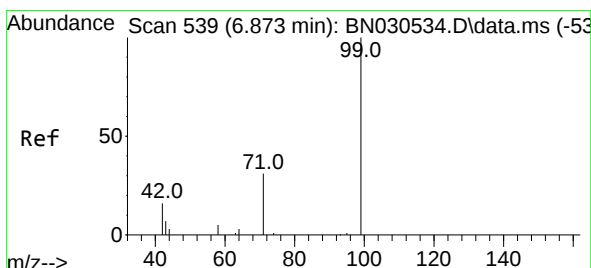
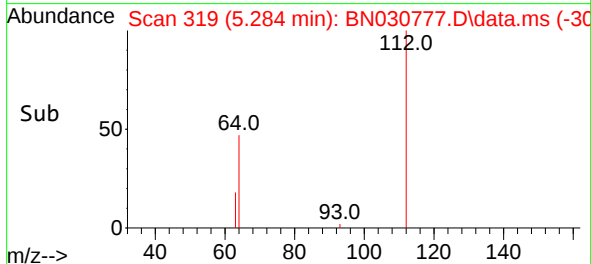
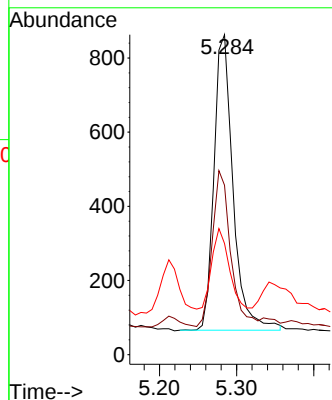
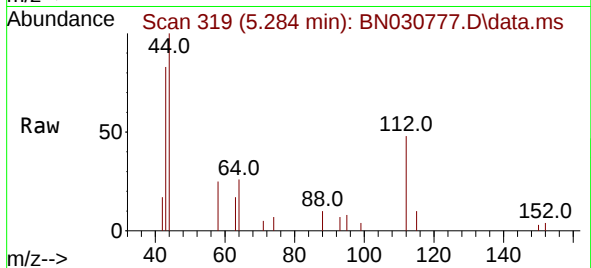
Tgt Ion:112 Resp: 1367

Ion Ratio Lower Upper

112 100

64 50.5 43.2 64.8

63 24.4 22.5 33.7



#5

Phenol-d6

Concen: 0.071 ng

RT: 6.859 min Scan# 537

Delta R.T. -0.015 min

Lab File: BN030777.D

Acq: 08 Apr 2024 20:13

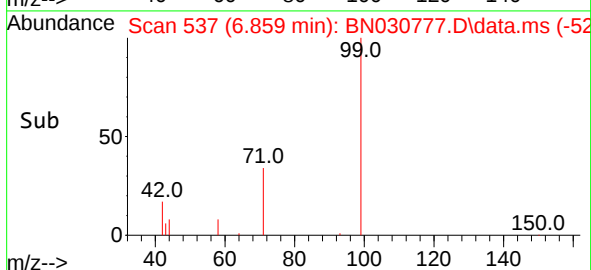
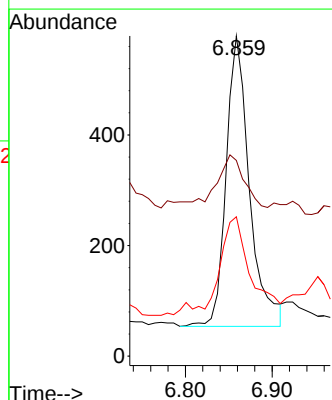
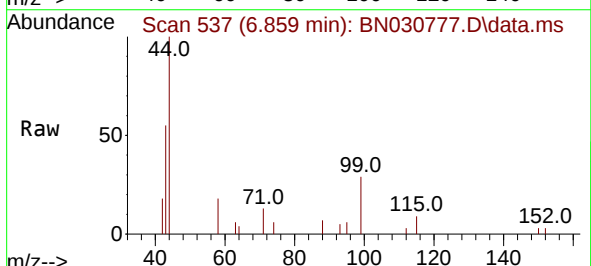
Tgt Ion: 99 Resp: 978

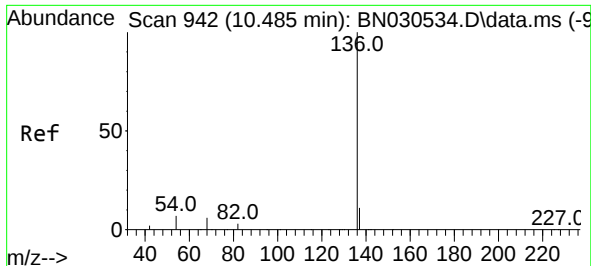
Ion Ratio Lower Upper

99 100

42 20.2 15.8 23.6

71 37.4 25.9 38.9

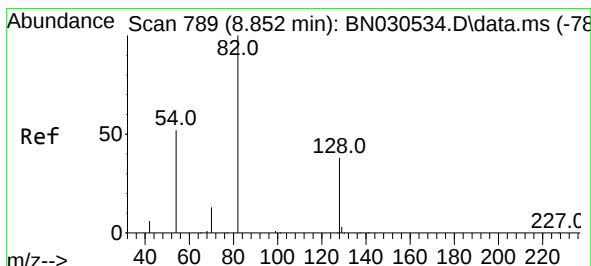
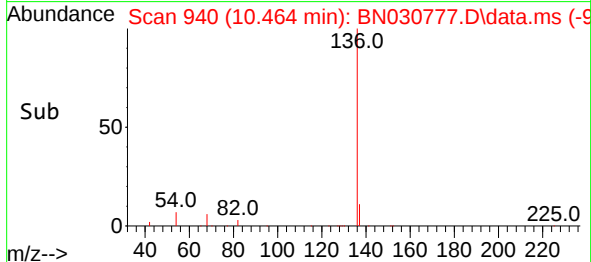
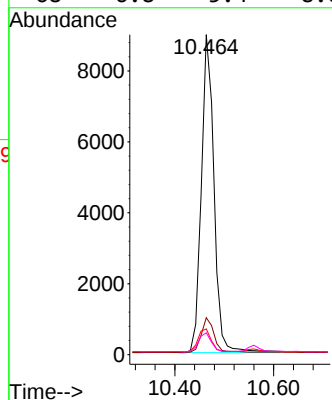
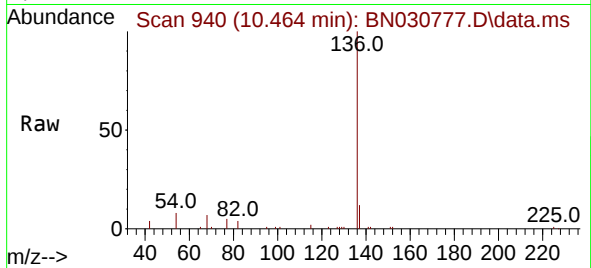




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.464 min Scan# 94
Delta R.T. -0.022 min
Lab File: BN030777.D
Acq: 08 Apr 2024 20:13

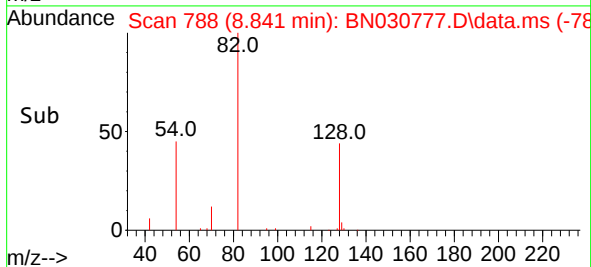
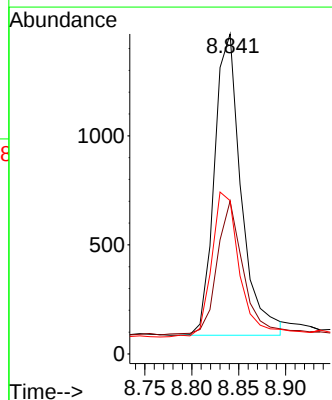
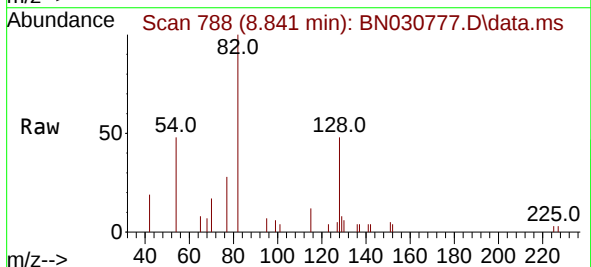
Instrument :
BNA_N
ClientSampleId :
RMW-06B-21-040424

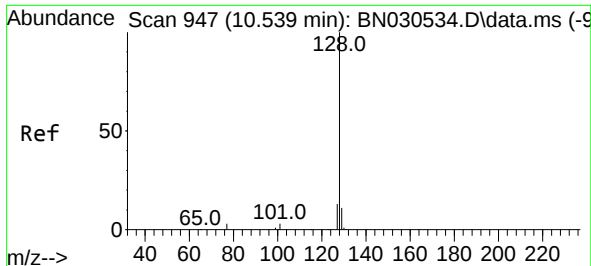
Tgt Ion:	136	Resp:	15885
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.1	13.7
54	8.0	6.4	9.6
68	6.8	5.4	8.0



#8
Nitrobenzene-d5
Concen: 0.246 ng
RT: 8.841 min Scan# 788
Delta R.T. -0.011 min
Lab File: BN030777.D
Acq: 08 Apr 2024 20:13

Tgt Ion:	82	Resp:	2747
Ion Ratio	Lower	Upper	
82	100		
128	47.8	32.3	48.5
54	47.9	42.7	64.1

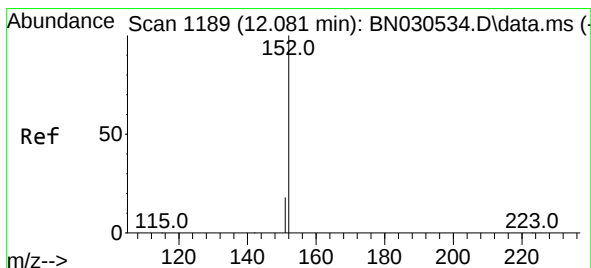
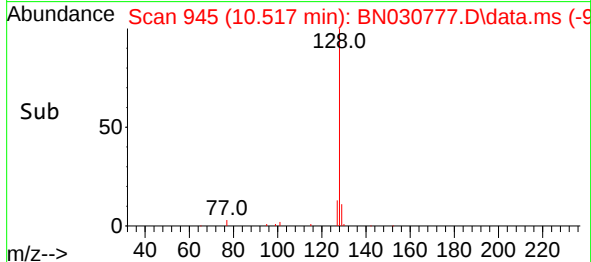
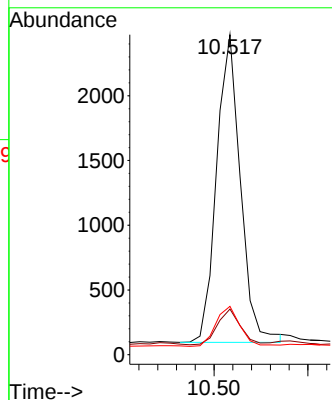
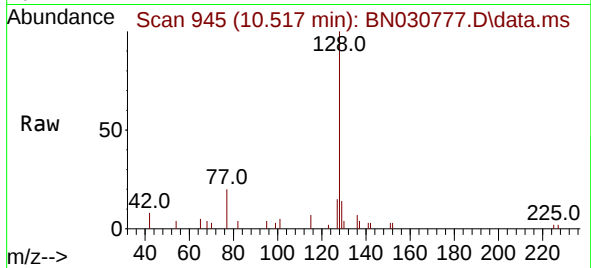




#9
Naphthalene
Concen: 0.095 ng
RT: 10.517 min Scan# 947
Delta R.T. -0.022 min
Lab File: BN030777.D
Acq: 08 Apr 2024 20:13

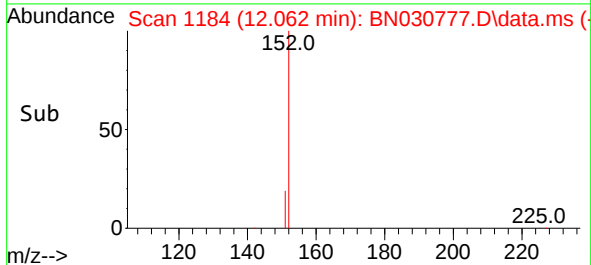
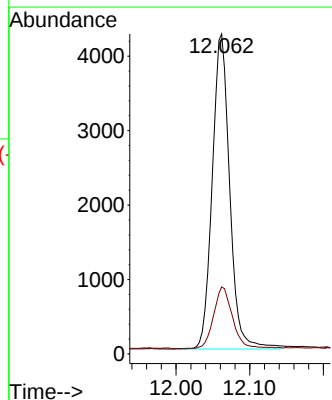
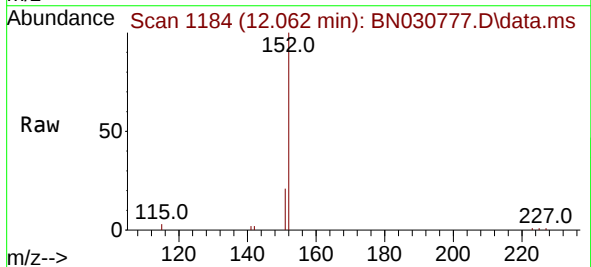
Instrument :
BNA_N
ClientSampleId :
RMW-06B-21-040424

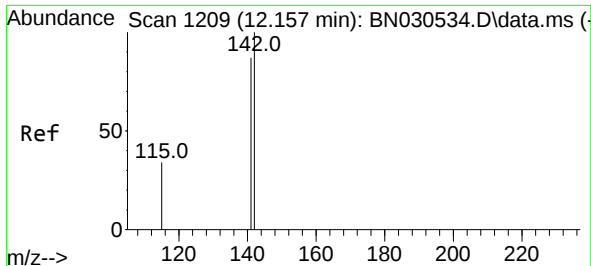
Tgt Ion:128 Resp: 4196
Ion Ratio Lower Upper
128 100
129 14.2 9.0 13.6#
127 15.1 10.5 15.7



#11
2-Methylnaphthalene-d10
Concen: 0.287 ng
RT: 12.062 min Scan# 1184
Delta R.T. -0.019 min
Lab File: BN030777.D
Acq: 08 Apr 2024 20:13

Tgt Ion:152 Resp: 6977
Ion Ratio Lower Upper
152 100
151 21.0 16.7 25.1





#12

2-Methylnaphthalene

Concen: 0.068 ng

RT: 12.134 min Scan# 11

Delta R.T. -0.023 min

Lab File: BN030777.D

Acq: 08 Apr 2024 20:13

Instrument :

BNA_N

ClientSampleId :

RMW-06B-21-040424

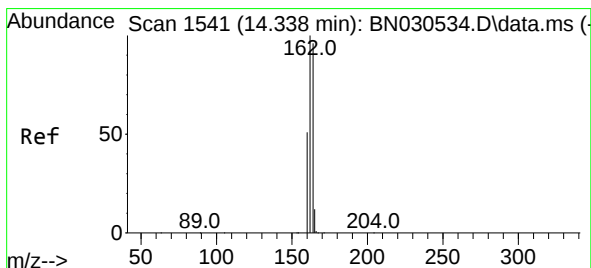
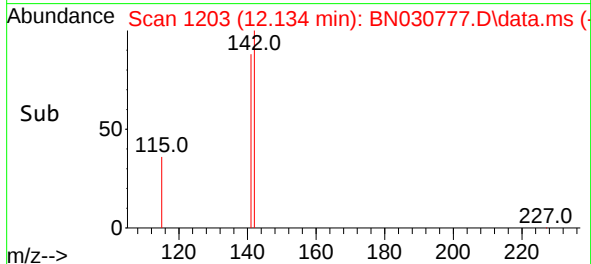
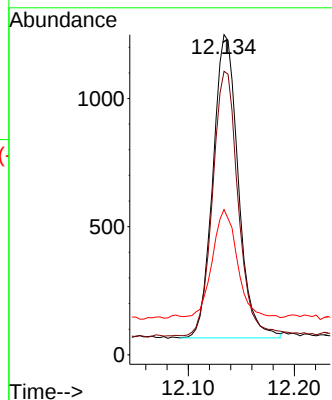
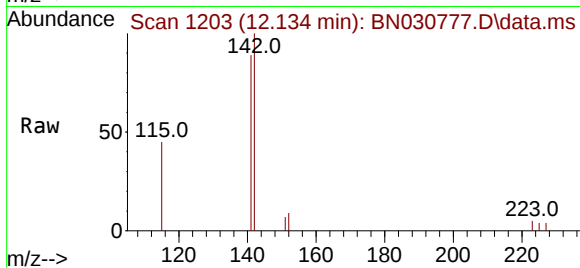
Tgt Ion:142 Resp: 1968

Ion Ratio Lower Upper

142 100

141 88.6 69.8 104.8

115 45.4 28.3 42.5#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.327 min Scan# 1540

Delta R.T. -0.011 min

Lab File: BN030777.D

Acq: 08 Apr 2024 20:13

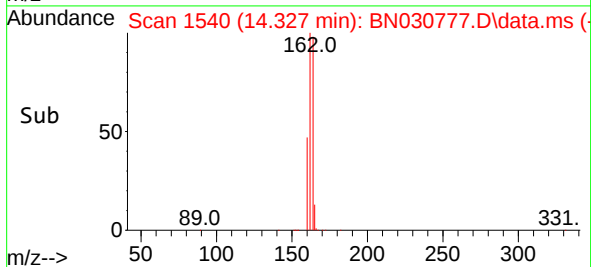
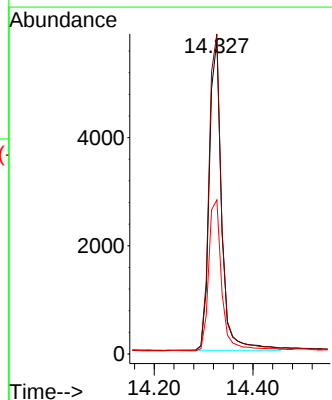
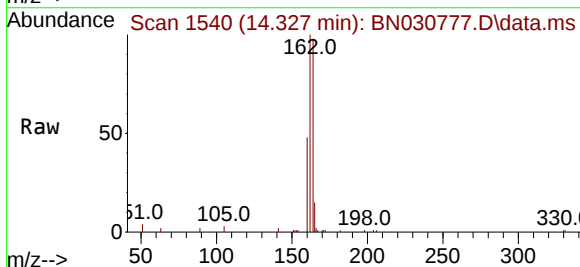
Tgt Ion:164 Resp: 9972

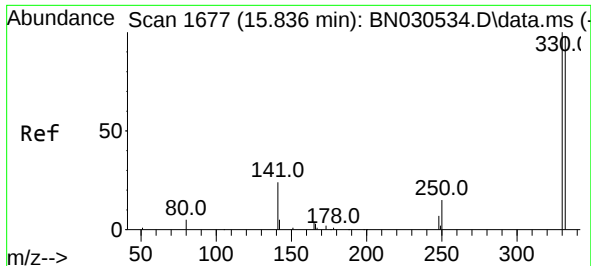
Ion Ratio Lower Upper

164 100

162 101.9 83.5 125.3

160 49.1 42.5 63.7





#14

2,4,6-Tribromophenol

Concen: 0.291 ng

RT: 15.824 min Scan# 1

Delta R.T. -0.013 min

Lab File: BN030777.D

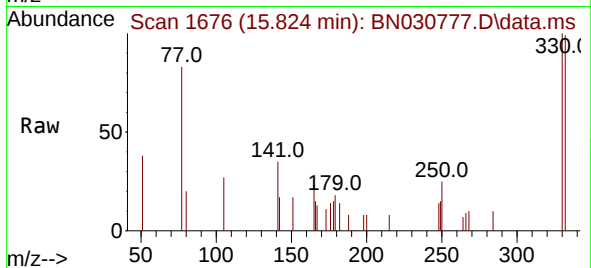
Acq: 08 Apr 2024 20:13

Instrument :

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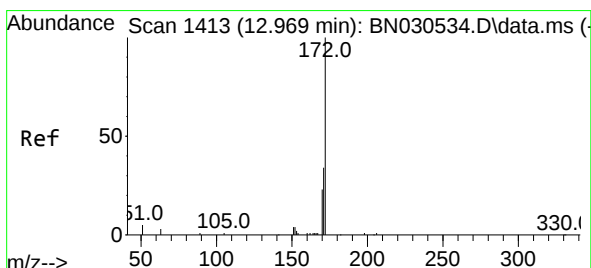
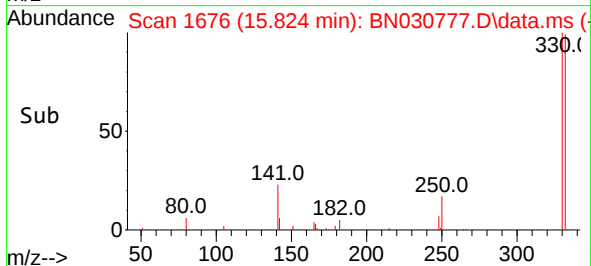
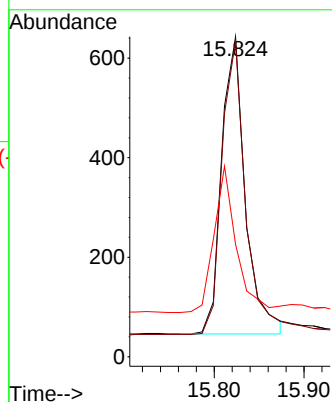
Tgt Ion:330 Resp: 1097

Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

141 45.9 35.9 53.9



#15

2-Fluorobiphenyl

Concen: 0.252 ng

RT: 12.948 min Scan# 1411

Delta R.T. -0.022 min

Lab File: BN030777.D

Acq: 08 Apr 2024 20:13

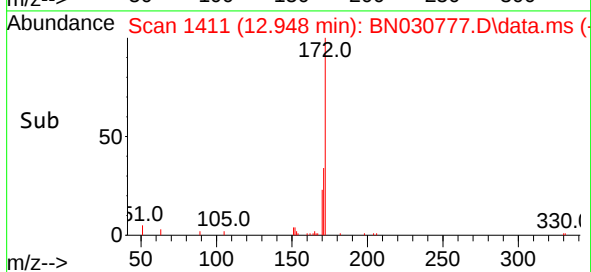
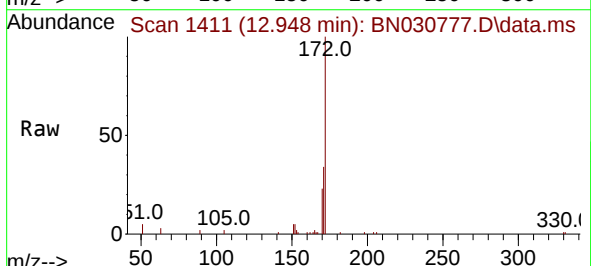
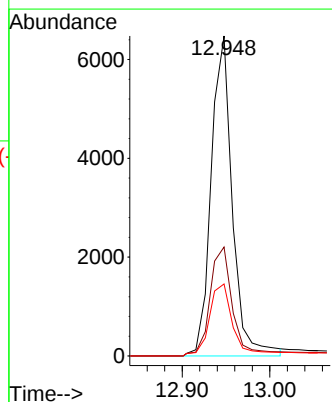
Tgt Ion:172 Resp: 9730

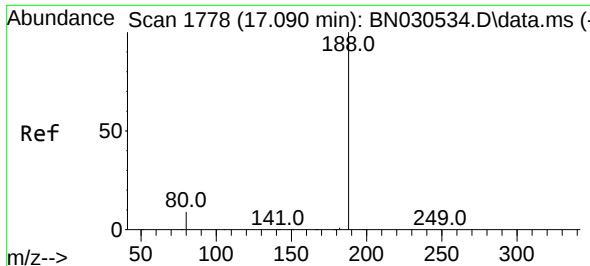
Ion Ratio Lower Upper

172 100

171 34.1 27.1 40.7

170 22.5 18.3 27.5

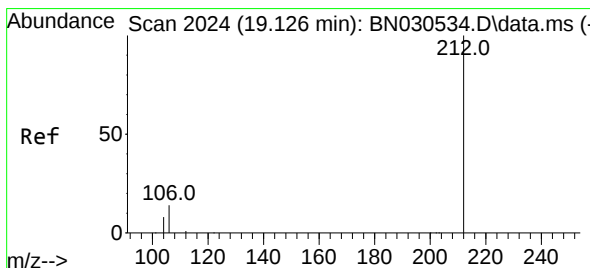
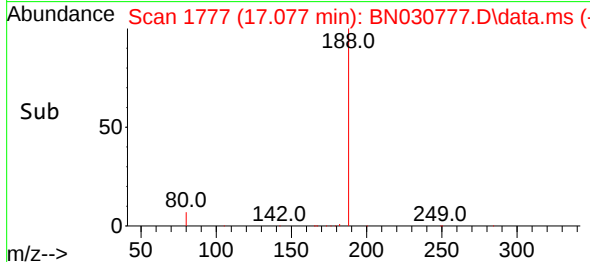
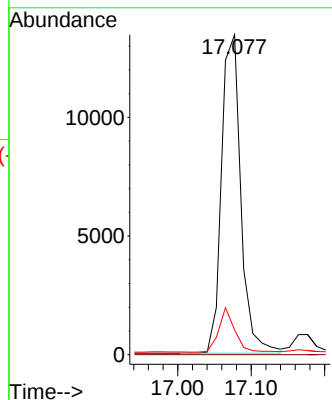
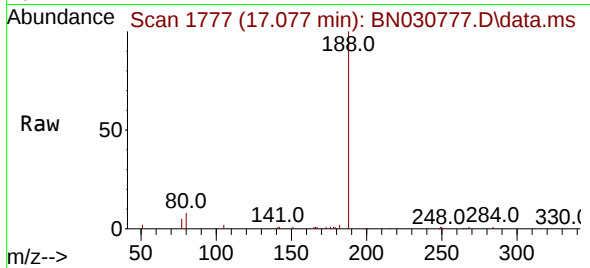




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.077 min Scan# 11
Delta R.T. -0.013 min
Lab File: BN030777.D
Acq: 08 Apr 2024 20:13

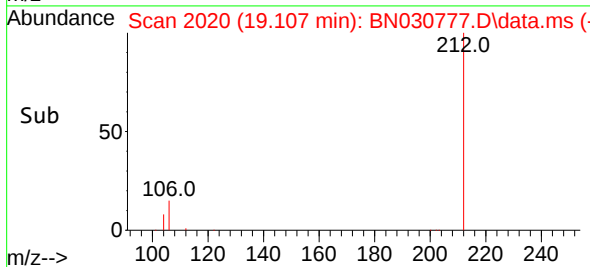
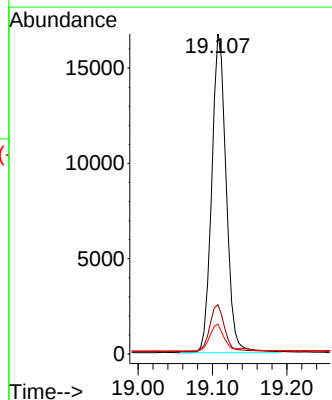
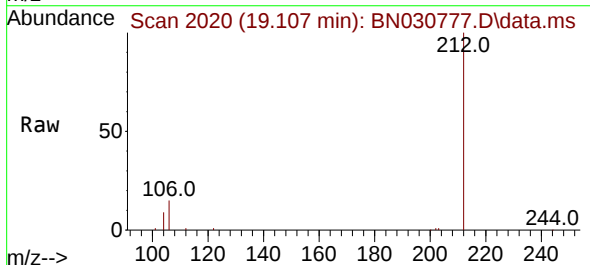
Instrument :
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RMW-06B-21-040424

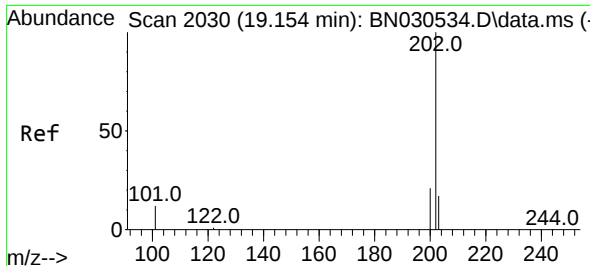
Tgt Ion:188 Resp: 24580
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.7 7.4 11.0



#27
Fluoranthene-d10
Concen: 0.341 ng
RT: 19.107 min Scan# 2020
Delta R.T. -0.019 min
Lab File: BN030777.D
Acq: 08 Apr 2024 20:13

Tgt Ion:212 Resp: 22595
Ion Ratio Lower Upper
212 100
106 15.3 11.8 17.6
104 8.3 6.6 9.8

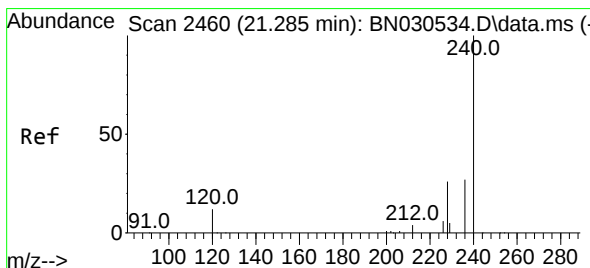
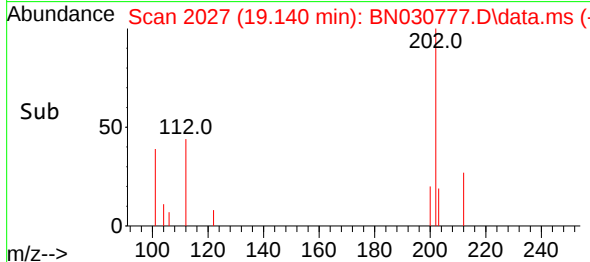
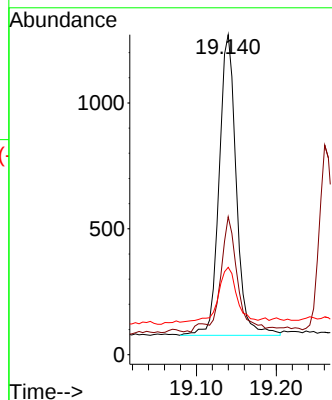
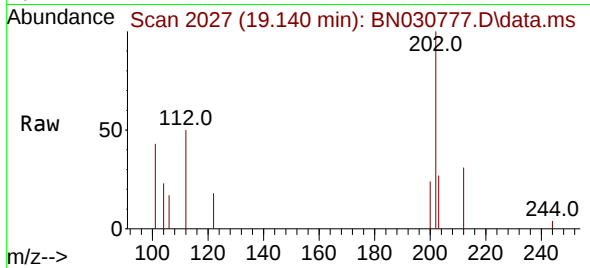




#28
Fluoranthene
Concen: 0.021 ng
RT: 19.140 min Scan# 2030
Delta R.T. -0.014 min
Lab File: BN030777.D
Acq: 08 Apr 2024 20:13

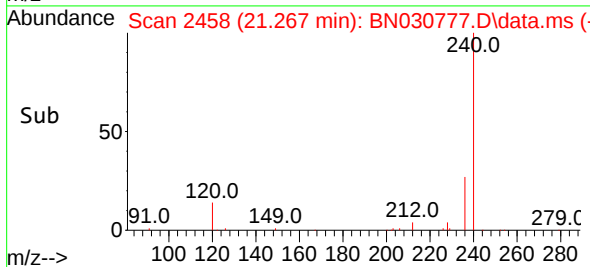
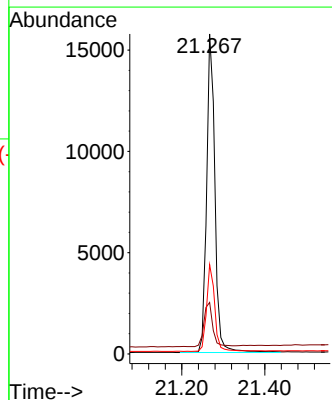
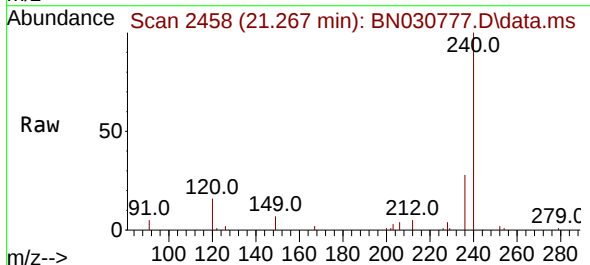
Instrument :
BNA_N
ClientSampleId :
RMW-06B-21-040424

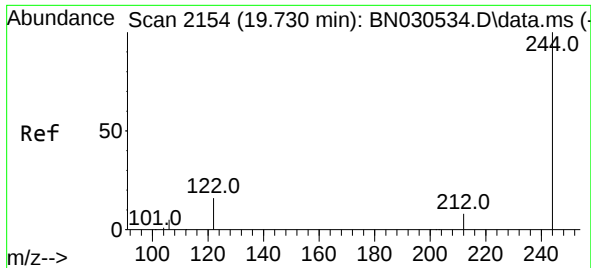
Tgt Ion:202 Resp: 1781
Ion Ratio Lower Upper
202 100
101 38.3 9.4 14.0#
203 19.9 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.267 min Scan# 2458
Delta R.T. -0.018 min
Lab File: BN030777.D
Acq: 08 Apr 2024 20:13

Tgt Ion:240 Resp: 21890
Ion Ratio Lower Upper
240 100
120 16.1 10.6 15.8#
236 27.9 22.1 33.1

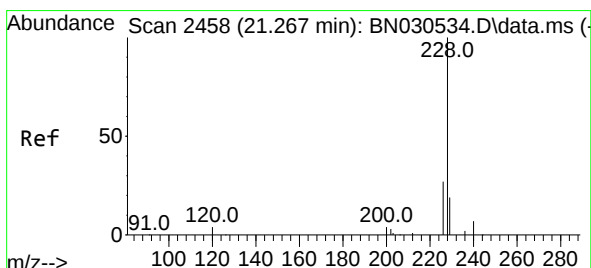
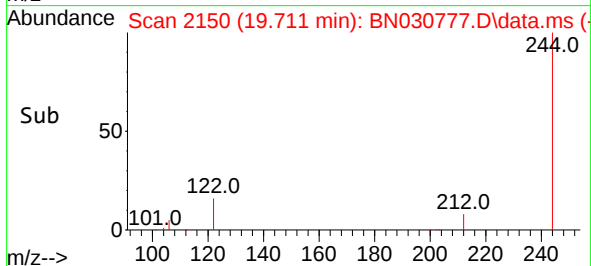
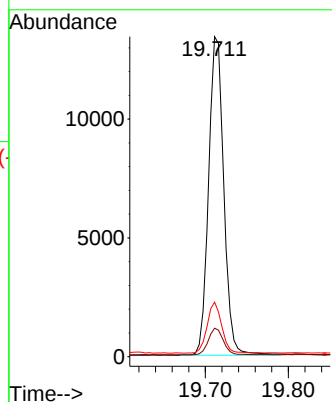
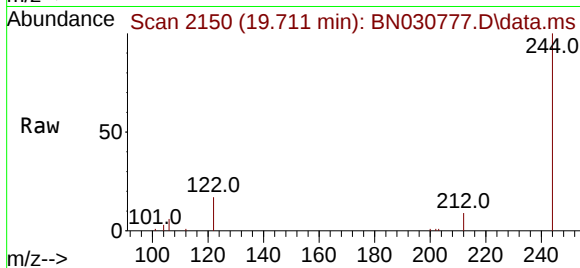




#31
Terphenyl-d14
Concen: 0.338 ng
RT: 19.711 min Scan# 2154
Delta R.T. -0.019 min
Lab File: BN030777.D
Acq: 08 Apr 2024 20:13

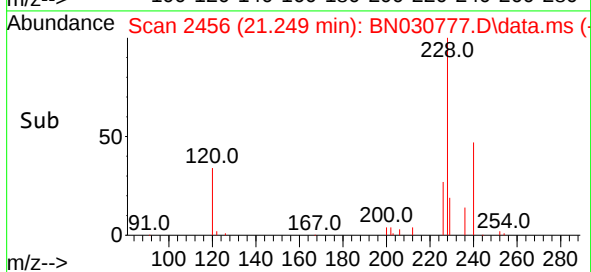
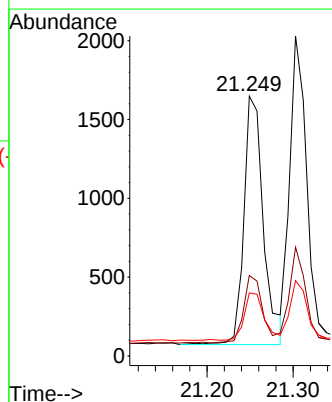
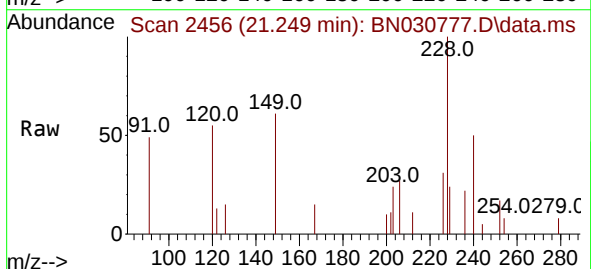
Instrument :
BNA_N
ClientSampleId :
RMW-06B-21-040424

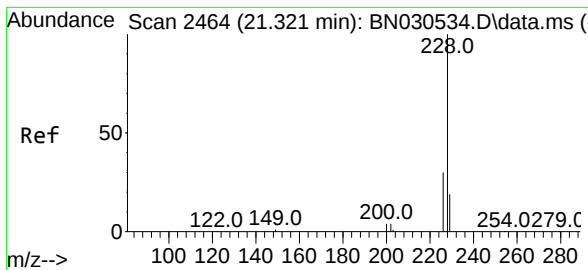
Tgt Ion:244 Resp: 17109
Ion Ratio Lower Upper
244 100
212 8.9 6.9 10.3
122 17.1 12.7 19.1



#32
Benzo(a)anthracene
Concen: 0.032 ng
RT: 21.249 min Scan# 2456
Delta R.T. -0.018 min
Lab File: BN030777.D
Acq: 08 Apr 2024 20:13

Tgt Ion:228 Resp: 2487
Ion Ratio Lower Upper
228 100
226 30.9 21.8 32.8
229 24.3 15.4 23.2#





#33

Chrysene

Concen: 0.032 ng

RT: 21.303 min Scan# 2462

Delta R.T. -0.018 min

Lab File: BN030777.D

Acq: 08 Apr 2024 20:13

Instrument :

BNA_N

ClientSampleId :

RMW-06B-21-040424

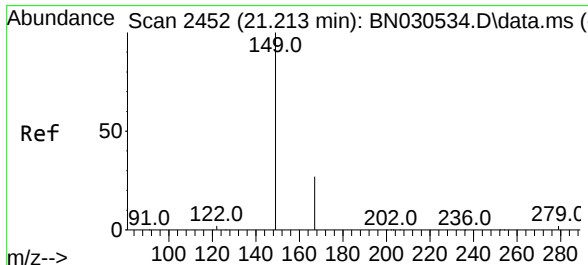
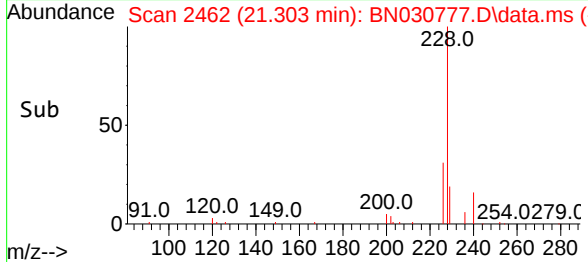
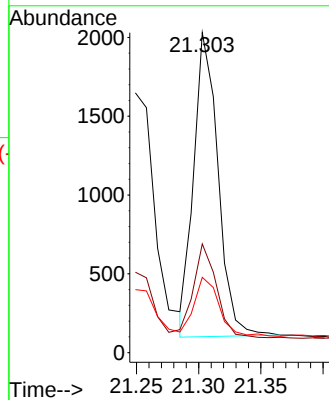
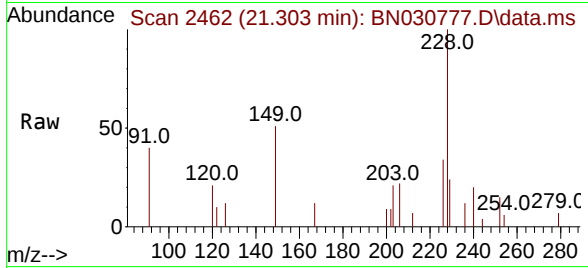
Tgt Ion:228 Resp: 2622

Ion Ratio Lower Upper

228 100

226 34.0 24.3 36.5

229 23.5 15.8 23.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.176 ng

RT: 21.186 min Scan# 2449

Delta R.T. -0.027 min

Lab File: BN030777.D

Acq: 08 Apr 2024 20:13

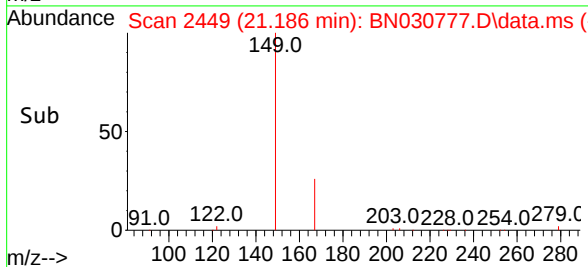
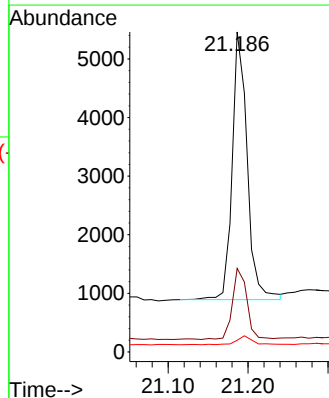
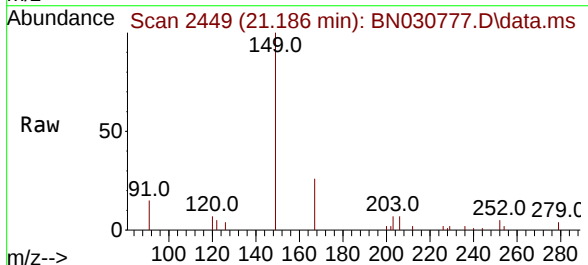
Tgt Ion:149 Resp: 5931

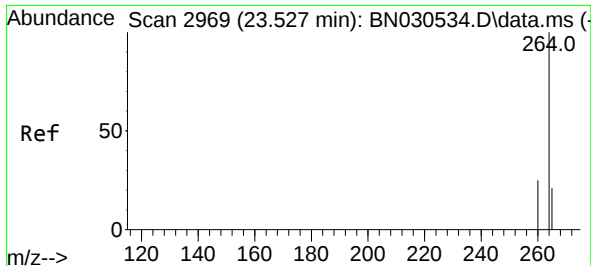
Ion Ratio Lower Upper

149 100

167 25.5 21.4 32.0

279 3.8 2.3 3.5#

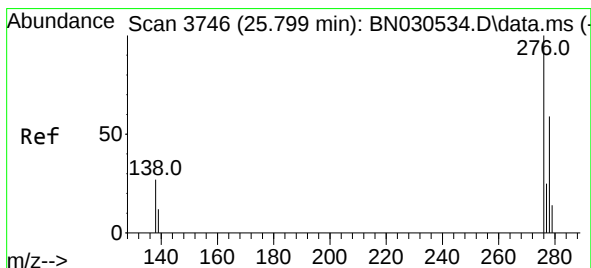
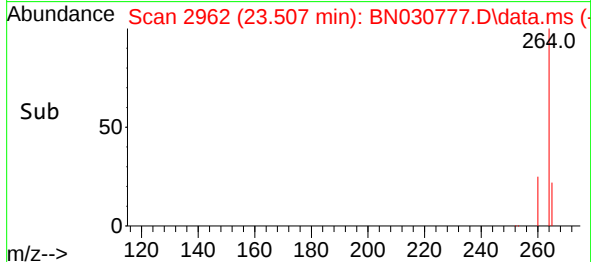
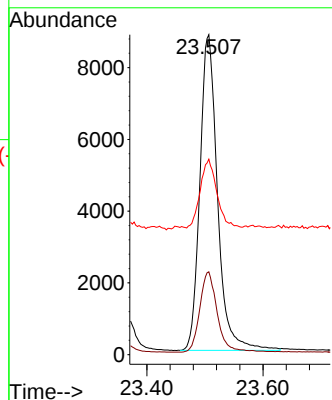
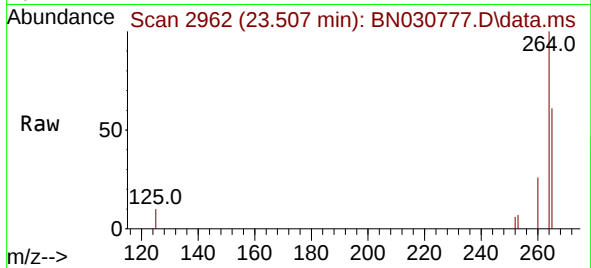




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.507 min Scan# 2962
Delta R.T. -0.021 min
Lab File: BN030777.D
Acq: 08 Apr 2024 20:13

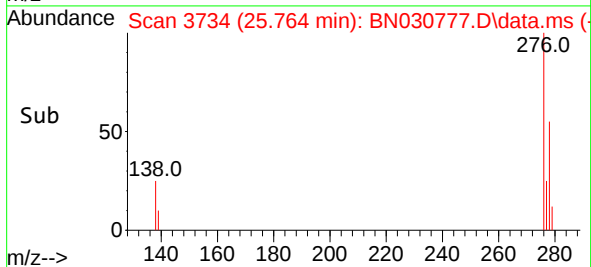
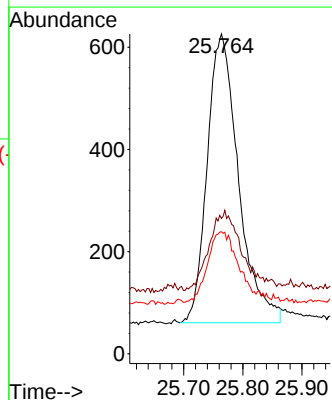
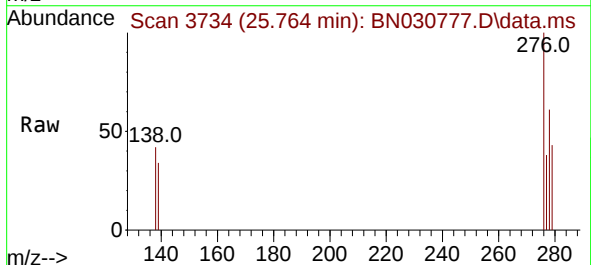
Instrument :
BNA_N
ClientSampleId :
RMW-06B-21-040424

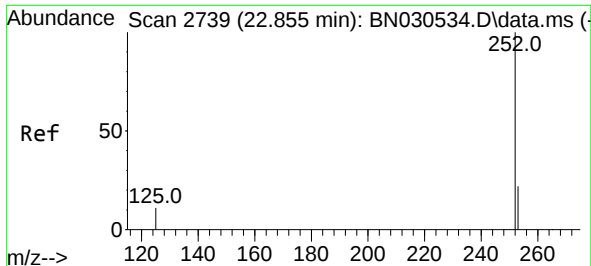
Tgt Ion:264	Resp:	18524
Ion	Ratio	Lower Upper
264	100	
260	25.9	20.6 30.8
265	61.1	41.8 62.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.025 ng
RT: 25.764 min Scan# 3734
Delta R.T. -0.035 min
Lab File: BN030777.D
Acq: 08 Apr 2024 20:13

Tgt Ion:276	Resp:	2076
Ion	Ratio	Lower Upper
276	100	
138	29.2	23.0 34.4
277	23.5	20.1 30.1





#37

Benzo(b)fluoranthene

Concen: 0.036 ng

RT: 22.831 min Scan# 21

Delta R.T. -0.024 min

Lab File: BN030777.D

Acq: 08 Apr 2024 20:13

Instrument :

BNA_N

ClientSampleId :

RMW-06B-21-040424

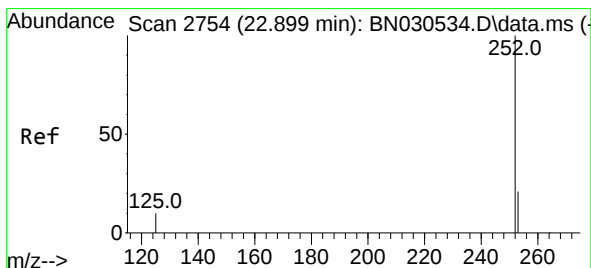
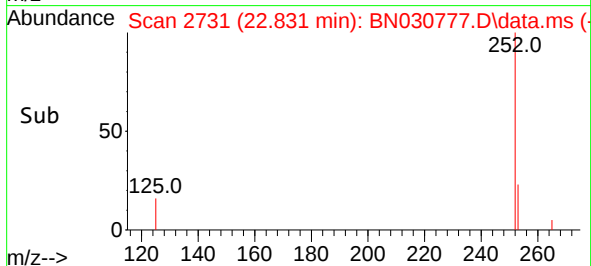
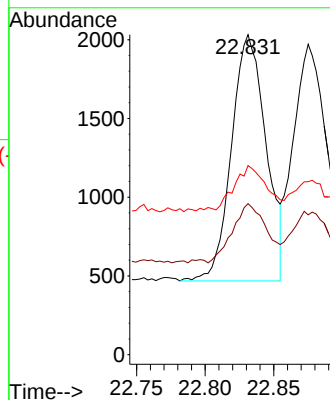
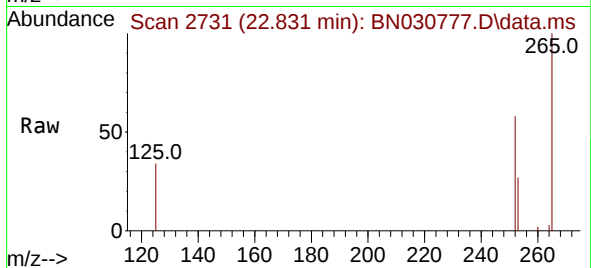
Tgt Ion:252 Resp: 2743

Ion Ratio Lower Upper

252 100

253 47.2 19.2 28.8#

125 59.1 11.7 17.5#



#38

Benzo(k)fluoranthene

Concen: 0.035 ng

RT: 22.875 min Scan# 2746

Delta R.T. -0.024 min

Lab File: BN030777.D

Acq: 08 Apr 2024 20:13

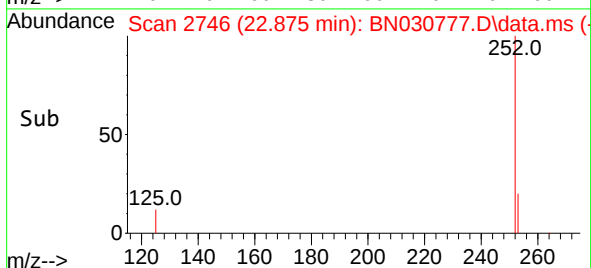
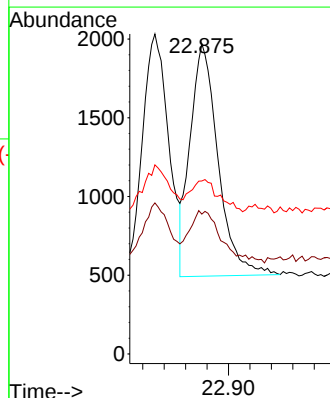
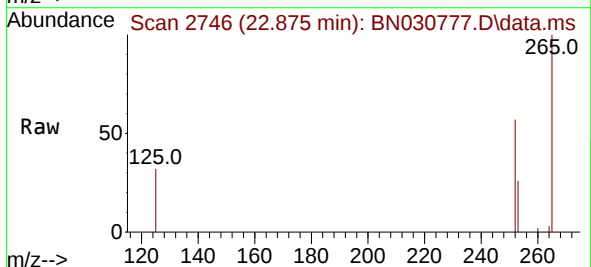
Tgt Ion:252 Resp: 2678

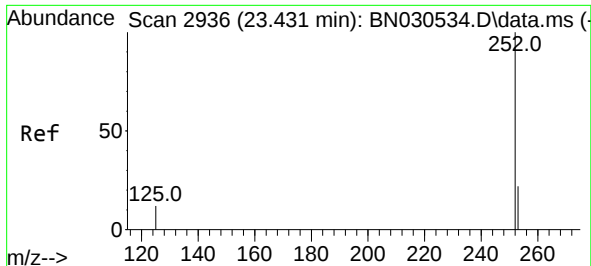
Ion Ratio Lower Upper

252 100

253 45.1 18.9 28.3#

125 55.7 11.5 17.3#





#39

Benzo(a)pyrene

Concen: 0.027 ng

RT: 23.407 min Scan# 2936

Delta R.T. -0.024 min

Lab File: BN030777.D

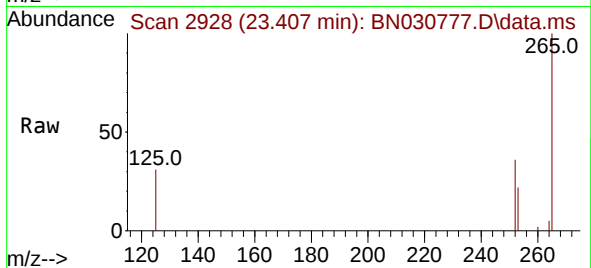
Acq: 08 Apr 2024 20:13

Instrument :

BN030777.D

ClientSampleId :

RMW-06B-21-040424



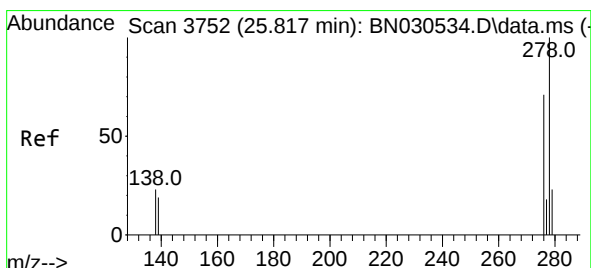
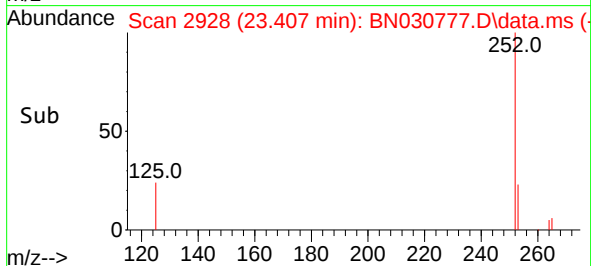
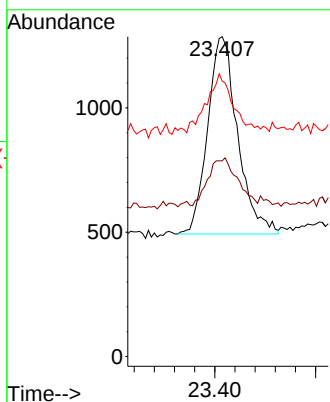
Tgt Ion:252 Resp: 1637

Ion Ratio Lower Upper

252 100

253 61.2 20.0 30.0#

125 86.1 14.3 21.5#



#40

Dibenzo(a,h)anthracene

Concen: 0.025 ng

RT: 25.787 min Scan# 3742

Delta R.T. -0.029 min

Lab File: BN030777.D

Acq: 08 Apr 2024 20:13

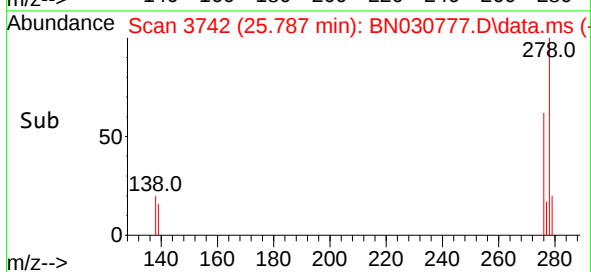
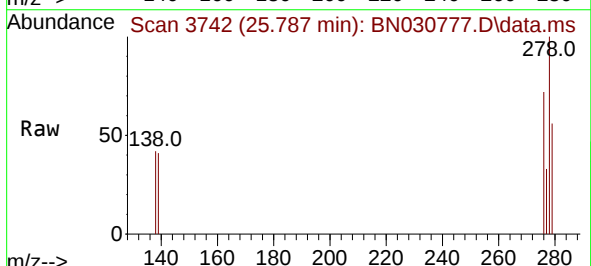
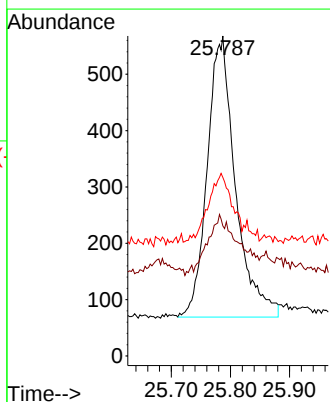
Tgt Ion:278 Resp: 1651

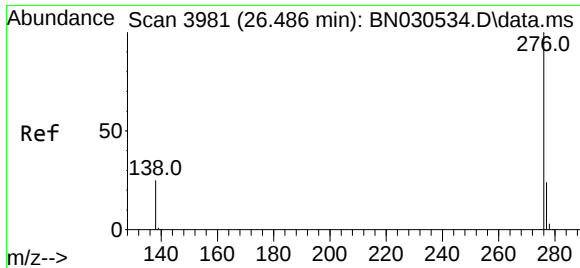
Ion Ratio Lower Upper

278 100

139 40.7 16.2 24.2#

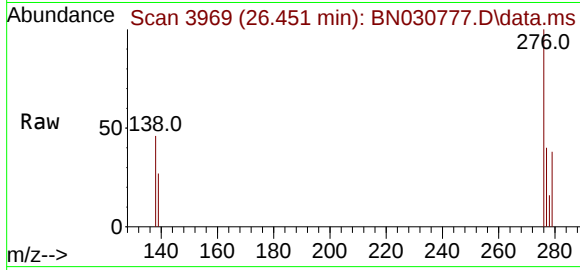
279 55.8 20.6 30.8#





#41
Benzo(g,h,i)perylene
Concen: 0.024 ng
RT: 26.451 min Scan# 3981
Delta R.T. -0.035 min
Lab File: BN030777.D
Acq: 08 Apr 2024 20:13

Instrument :
BNA_N
ClientSampleId :
RMW-06B-21-040424



Tgt Ion:276 Resp: 1676
Ion Ratio Lower Upper
276 100
277 40.1 19.8 29.6#
138 45.9 20.6 31.0#

