

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
 Data File : BN025310.D
 Acq On : 06 May 2023 11:47
 Operator : CG/JU
 Sample : 02558-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-A-3-6-05022023

Quant Time: May 08 03:58:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 08 02:37:05 2023
 Response via : Initial Calibration

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

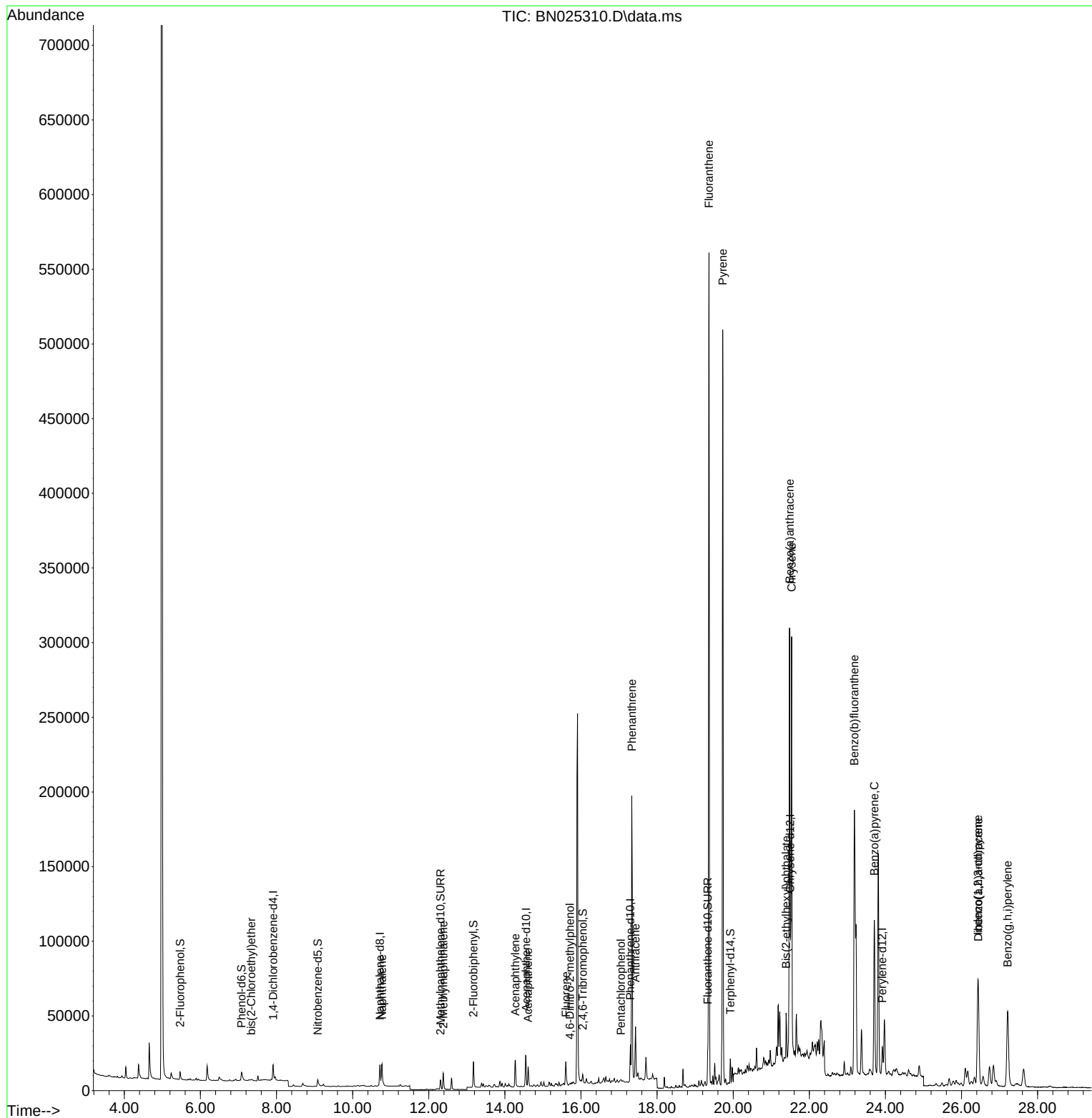
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	6158	0.400	ng	0.00
7) Naphthalene-d8	10.718	136	20980	0.400	ng	-0.01
13) Acenaphthene-d10	14.555	164	13490	0.400	ng	0.00
19) Phenanthrene-d10	17.299	188	31642	0.400	ng	-0.01
29) Chrysene-d12	21.500	240	28988	0.400	ng	0.00
35) Perylene-d12	23.919	264	26466	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.470	112	5198	0.347	ng	0.00
5) Phenol-d6	7.081	99	6862	0.365	ng	0.00
8) Nitrobenzene-d5	9.084	82	5050	0.293	ng	-0.01
11) 2-Methylnaphthalene-d10	12.309	152	10488	0.366	ng	0.00
14) 2,4,6-Tribromophenol	16.045	330	2276	0.330	ng	-0.02
15) 2-Fluorobiphenyl	13.176	172	15762	0.341	ng	-0.01
27) Fluoranthene-d10	19.334	212	24799	0.317	ng	0.00
31) Terphenyl-d14	19.924	244	18562	0.318	ng	-0.01
Target Compounds						
						Qvalue
6) bis(2-Chloroethyl)ether	7.333	93	370	0.022	ng	# 80
9) Naphthalene	10.771	128	21776	0.405	ng	99
12) 2-Methylnaphthalene	12.381	142	8873	0.233	ng	99
16) Acenaphthylene	14.277	152	22993	0.381	ng	99
17) Acenaphthene	14.609	154	6763	0.180	ng	97
18) Fluorene	15.603	166	11044	0.215	ng	# 95
20) 4,6-Dinitro-2-methylph...	15.710	198	29	0.284	ng	# 1
24) Pentachlorophenol	17.050	266	28	0.270	ng	# 32
25) Phenanthrene	17.336	178	201343	2.300	ng	100
26) Anthracene	17.435	178	41915	0.511	ng	99
28) Fluoranthene	19.363	202	495669	4.531	ng	99
30) Pyrene	19.726	202	447997	4.521	ng	96
32) Benzo(a)anthracene	21.482	228	234358	2.392	ng	99
33) Chrysene	21.536	228	257564	2.641	ng	98
34) Bis(2-ethylhexyl)phtha...	21.392	149	25493	0.332	ng	99
36) Indeno(1,2,3-cd)pyrene	26.433	276	120493	1.136	ng	95
37) Benzo(b)fluoranthene	23.185	252	320145	3.816	ng	94
39) Benzo(a)pyrene	23.708	252	150432	1.750	ng	96
40) Dibenzo(a,h)anthracene	26.442	278	30027	0.358	ng	# 91
41) Benzo(g,h,i)perylene	27.211	276	114598	1.245	ng	99

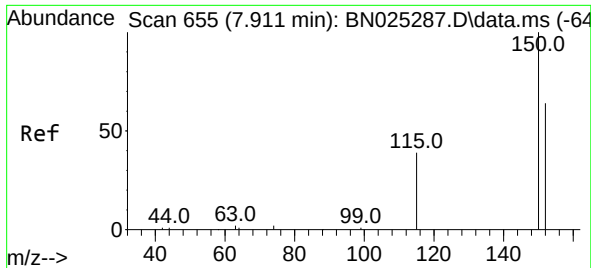
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN025310.D
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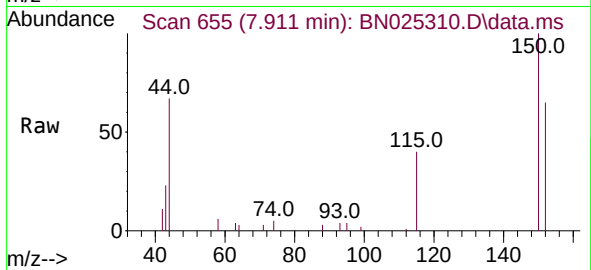
Quant Time: May 08 03:58:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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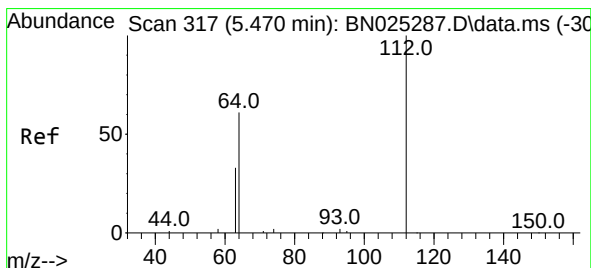
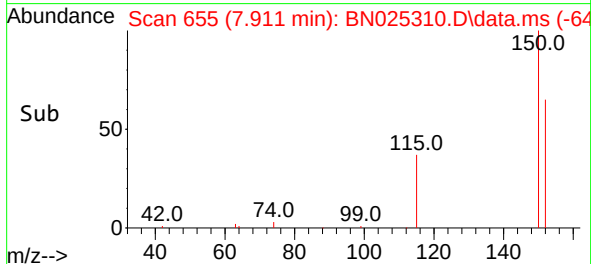
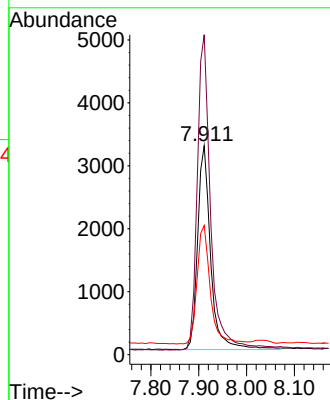


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.911 min Scan# 615
Delta R.T. 0.000 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

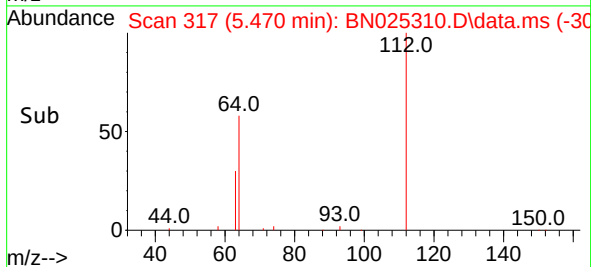
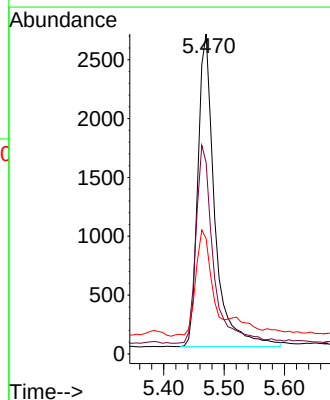
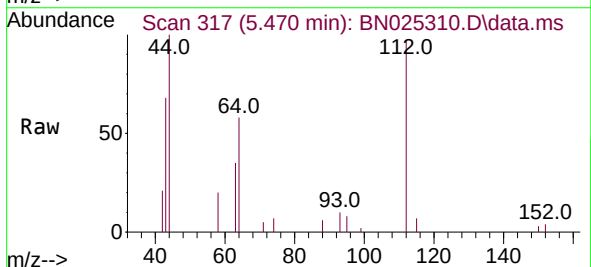


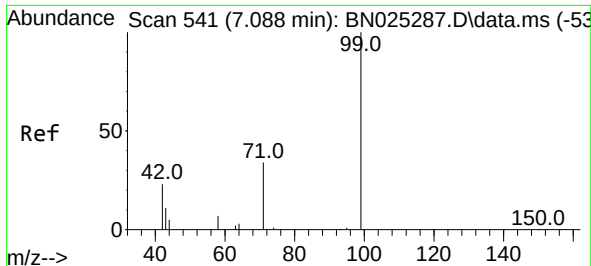
Tgt Ion:152 Resp: 6158
Ion Ratio Lower Upper
152 100
150 153.1 123.8 185.8
115 61.7 52.9 79.3



#4
2-Fluorophenol
Concen: 0.347 ng
RT: 5.470 min Scan# 317
Delta R.T. 0.000 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

Tgt Ion:112 Resp: 5198
Ion Ratio Lower Upper
112 100
64 64.4 51.5 77.3
63 32.2 27.8 41.6

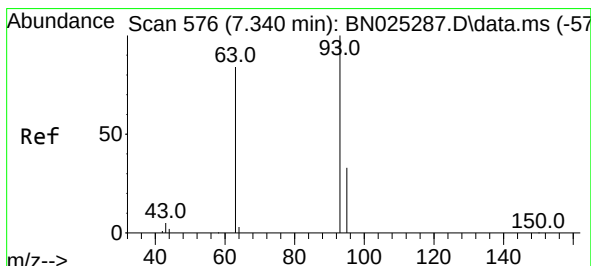
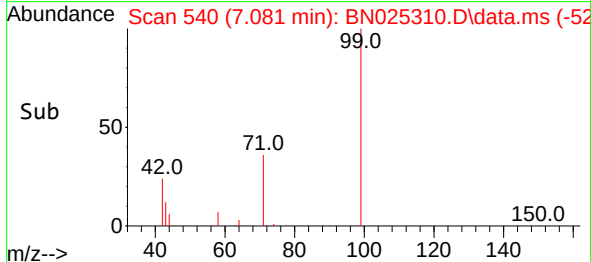
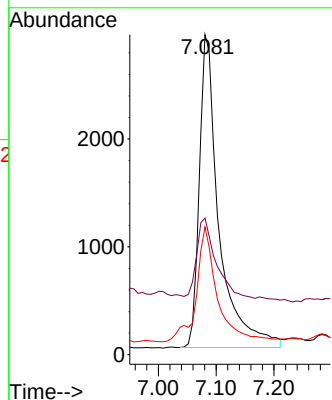
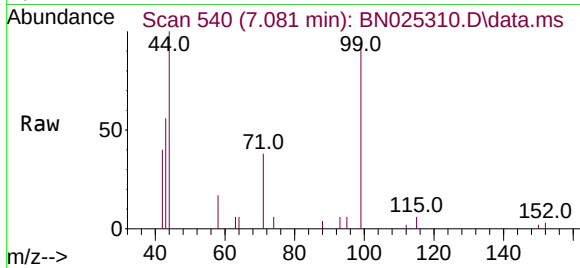




#5
Phenol-d6
Concen: 0.365 ng
RT: 7.081 min Scan# 541
Delta R.T. -0.007 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

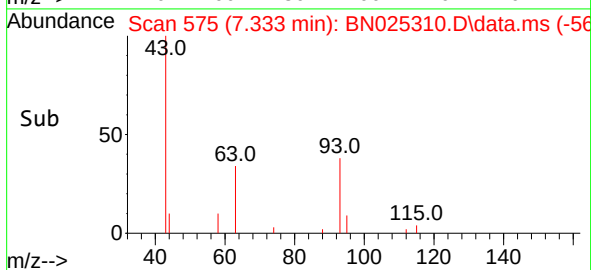
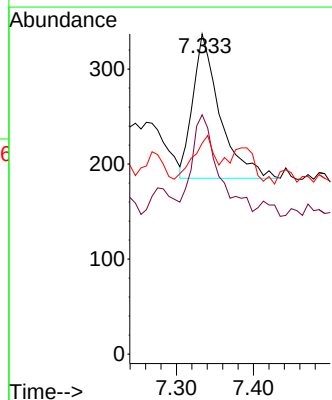
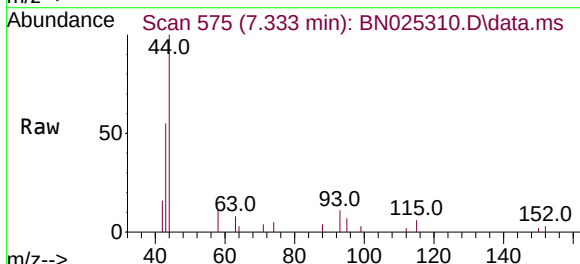
Instrument :
BNA_N
ClientSampleId :
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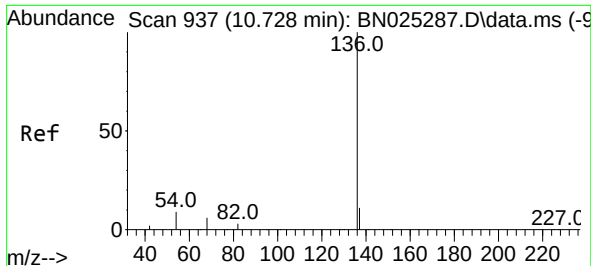
Tgt Ion: 99 Resp: 6862
Ion Ratio Lower Upper
99 100
42 25.0 22.0 33.0
71 39.0 28.7 43.1



#6
bis(2-Chloroethyl)ether
Concen: 0.022 ng
RT: 7.333 min Scan# 575
Delta R.T. -0.007 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

Tgt Ion: 93 Resp: 370
Ion Ratio Lower Upper
93 100
63 65.9 67.8 101.6#
95 23.5 26.7 40.1#

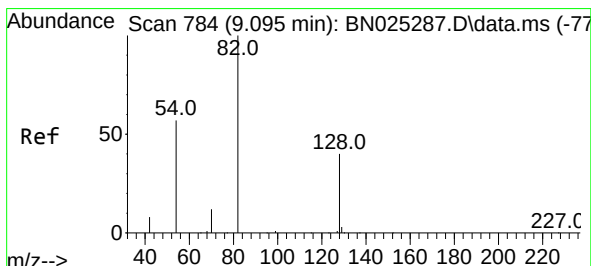
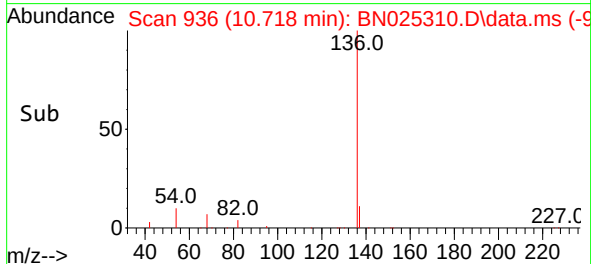
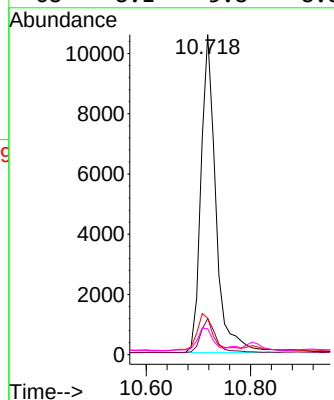
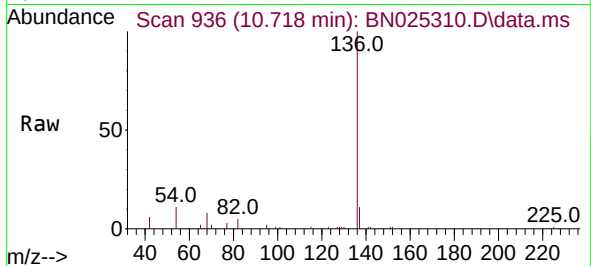




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.718 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

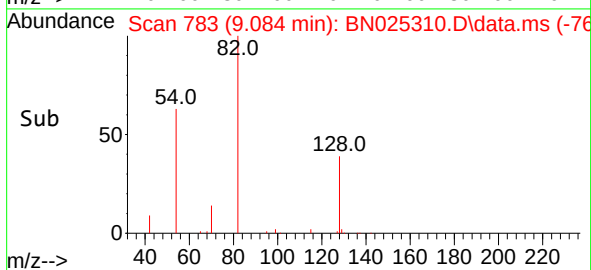
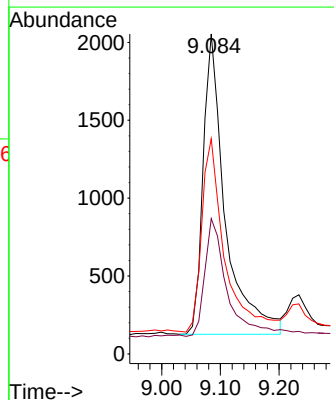
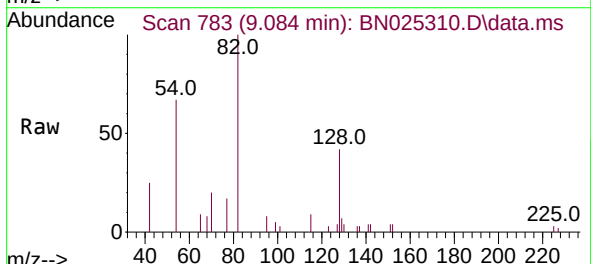
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

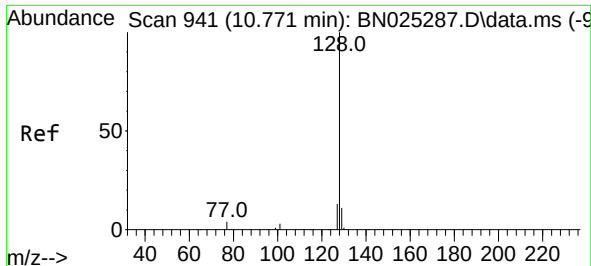
Tgt Ion:	136	Resp:	20980
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.4	14.2
54	11.4	8.5	12.7
68	8.1	5.8	8.8



#8
Nitrobenzene-d5
Concen: 0.293 ng
RT: 9.084 min Scan# 783
Delta R.T. -0.011 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

Tgt Ion:	82	Resp:	5050
Ion Ratio	Lower	Upper	
82	100		
128	42.3	35.3	52.9
54	67.2	48.7	73.1

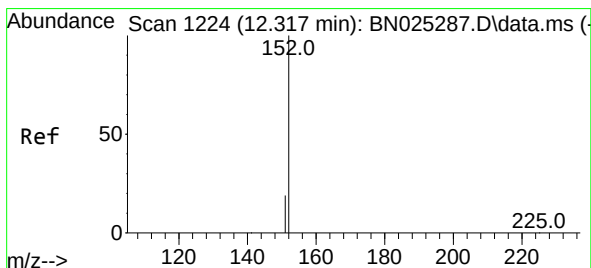
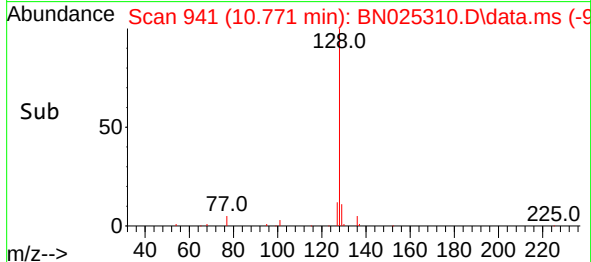
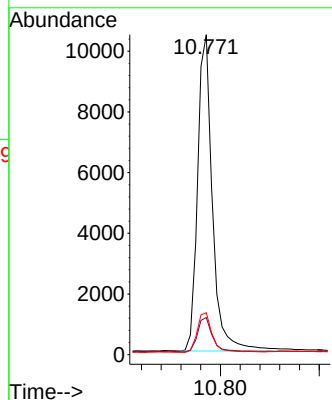
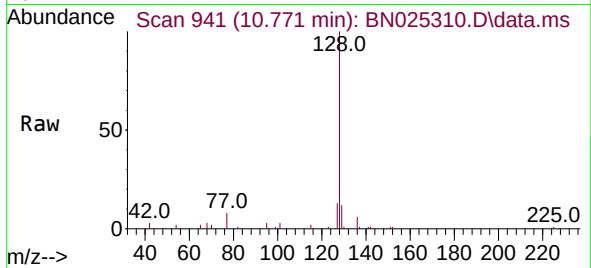




#9
Naphthalene
Concen: 0.405 ng
RT: 10.771 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

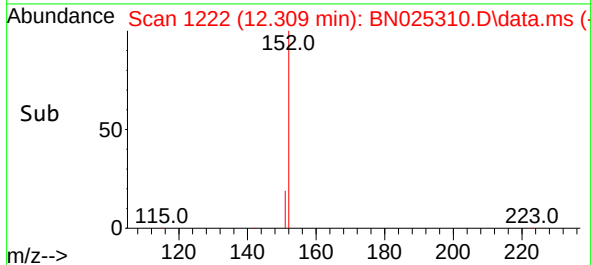
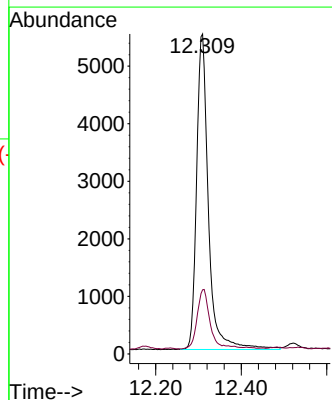
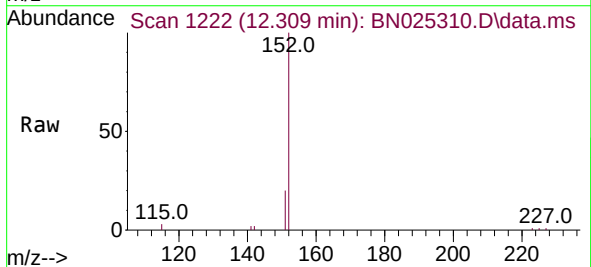
Instrument :
BNA_N
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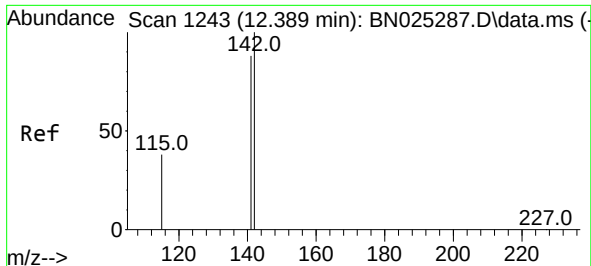
Tgt Ion:128 Resp: 21776
Ion Ratio Lower Upper
128 100
129 11.6 9.4 14.2
127 13.1 11.0 16.6



#11
2-Methylnaphthalene-d10
Concen: 0.366 ng
RT: 12.309 min Scan# 1222
Delta R.T. -0.007 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

Tgt Ion:152 Resp: 10488
Ion Ratio Lower Upper
152 100
151 21.0 16.4 24.6

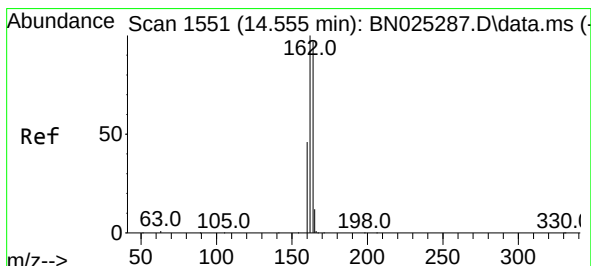
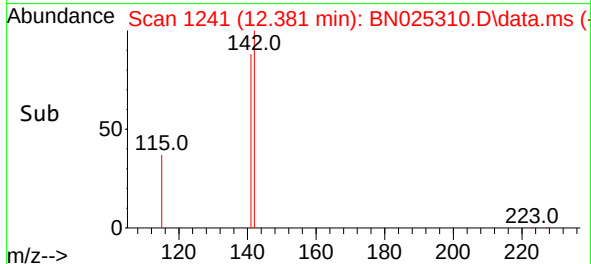
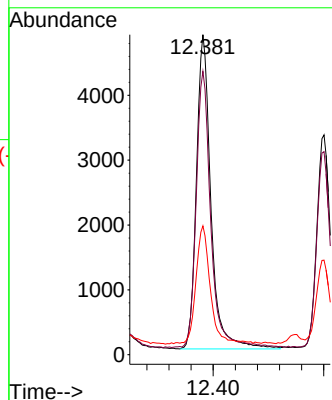
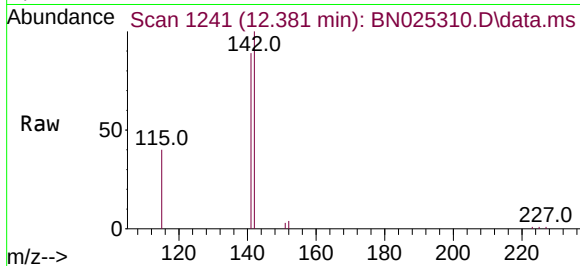




#12
2-Methylnaphthalene
Concen: 0.233 ng
RT: 12.381 min Scan# 11
Delta R.T. -0.007 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

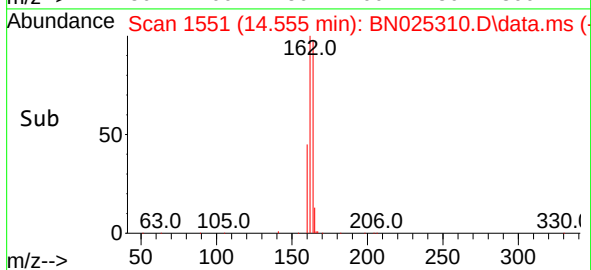
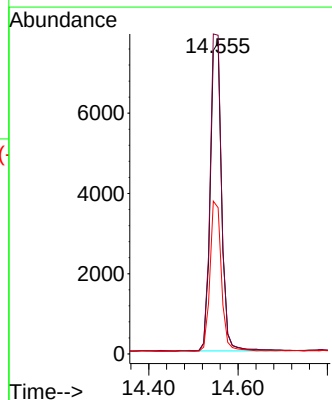
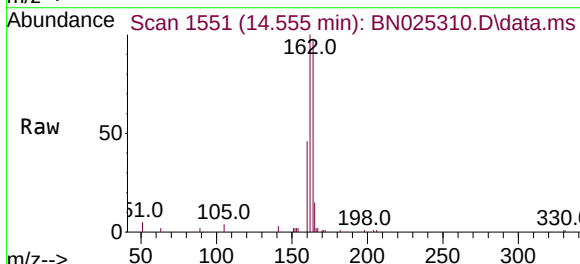
Instrument :
BNA_N
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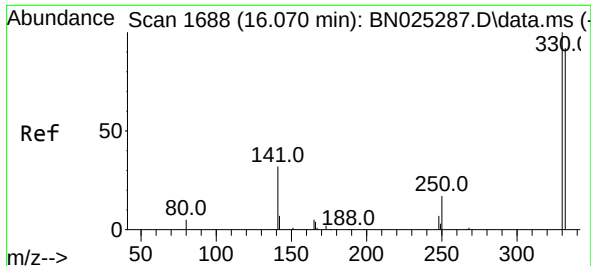
Tgt Ion:142 Resp: 8873
Ion Ratio Lower Upper
142 100
141 88.6 70.5 105.7
115 40.3 31.6 47.4



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.555 min Scan# 1551
Delta R.T. 0.000 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

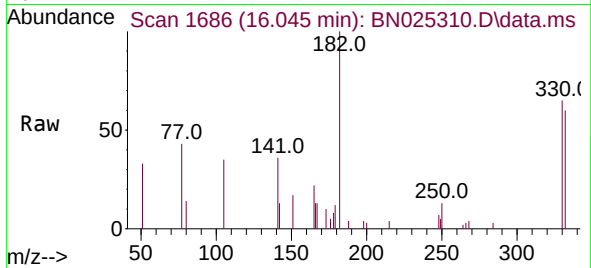
Tgt Ion:164 Resp: 13490
Ion Ratio Lower Upper
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162 102.3 82.1 123.1
160 47.0 38.3 57.5



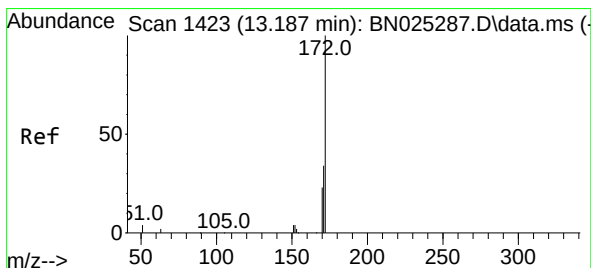
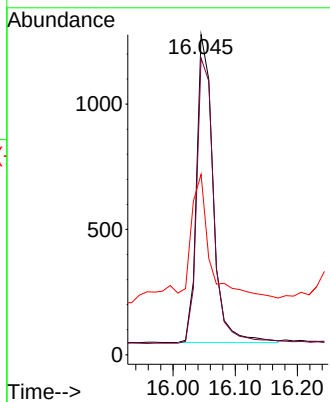
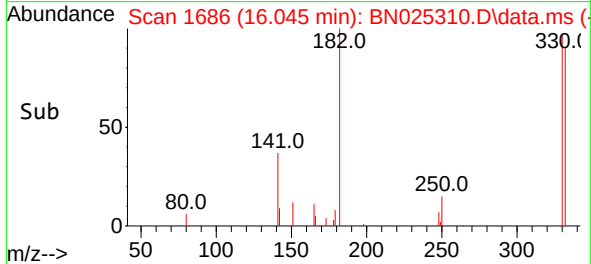


#14
2,4,6-Tribromophenol
Concen: 0.330 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.025 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

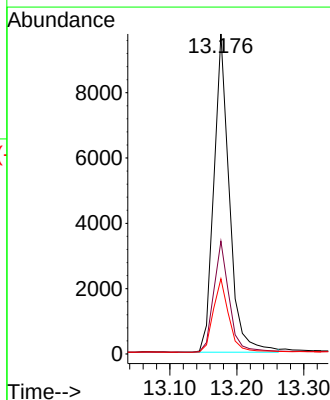
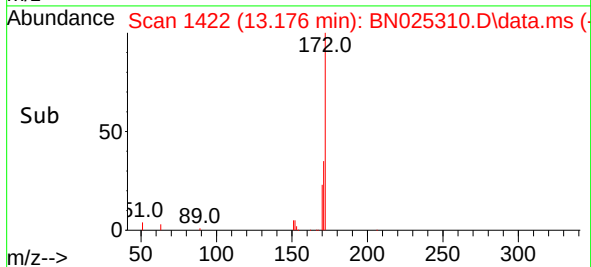
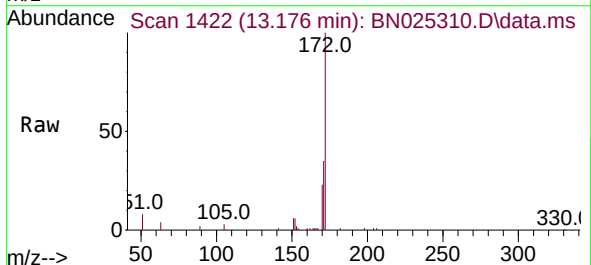


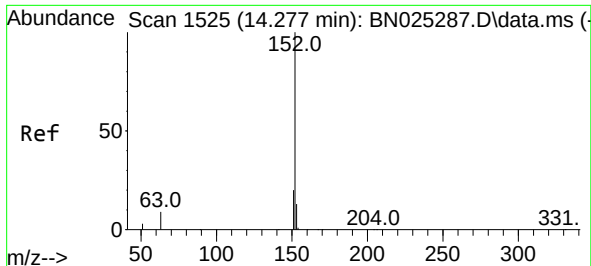
Tgt Ion:330 Resp: 2276
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 43.5 28.9 43.3#



#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 13.176 min Scan# 1422
Delta R.T. -0.011 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

Tgt Ion:172 Resp: 15762
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 23.5 19.0 28.4

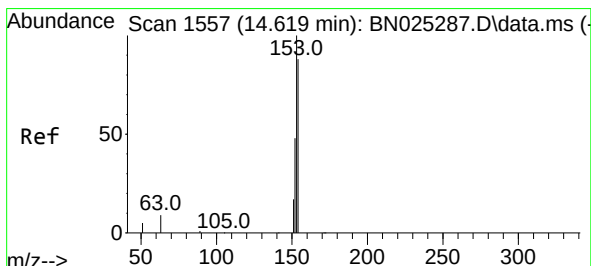
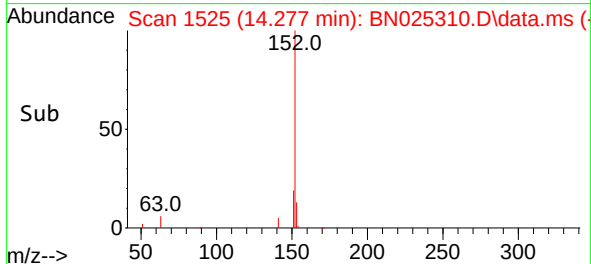
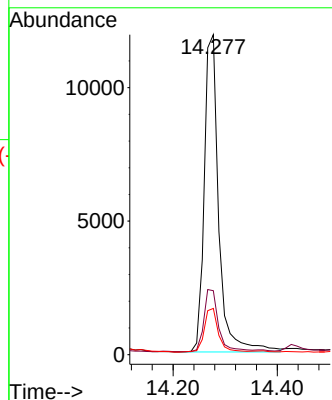
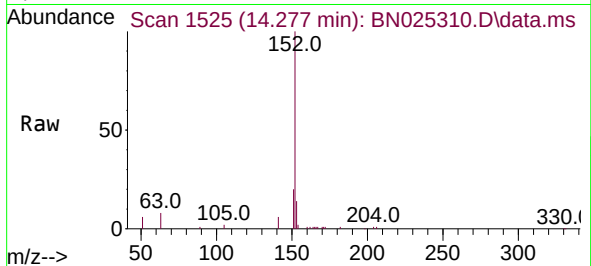




#16
Acenaphthylene
Concen: 0.381 ng
RT: 14.277 min Scan# 1525
Delta R.T. 0.000 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

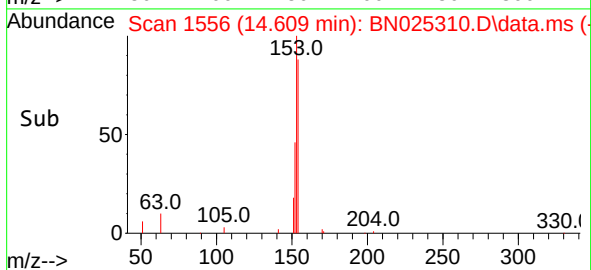
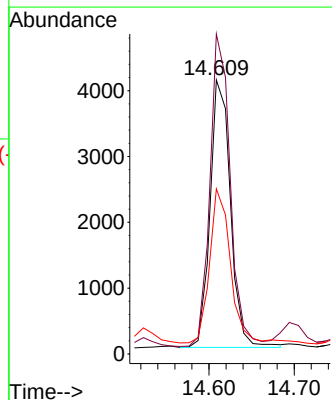
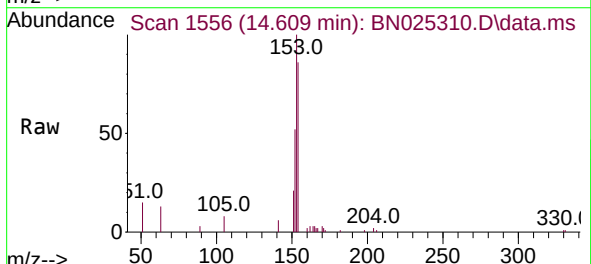
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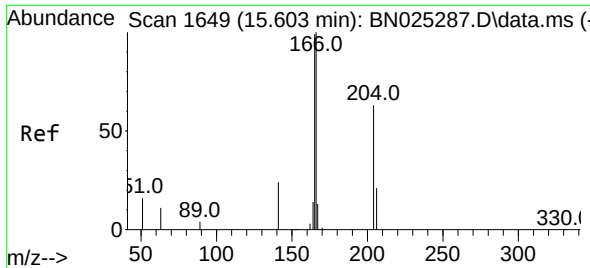
Tgt Ion:152 Resp: 22993
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 13.4 10.3 15.5



#17
Acenaphthene
Concen: 0.180 ng
RT: 14.609 min Scan# 1556
Delta R.T. -0.011 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

Tgt Ion:154 Resp: 6763
Ion Ratio Lower Upper
154 100
153 115.7 91.3 136.9
152 60.8 44.7 67.1

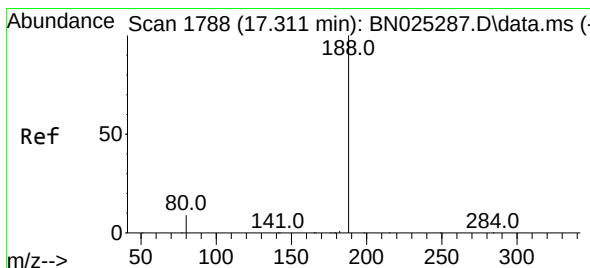
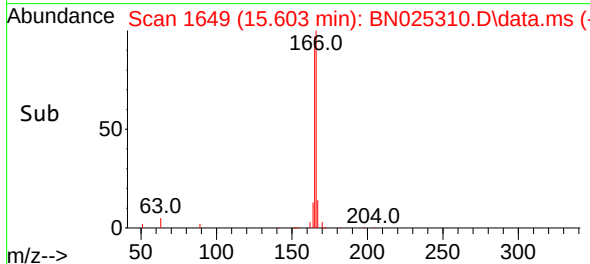
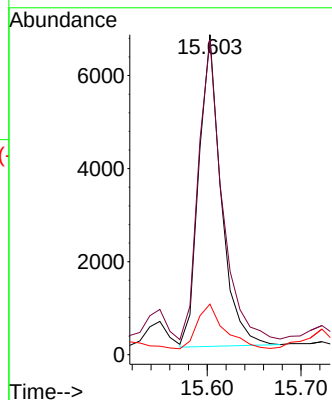
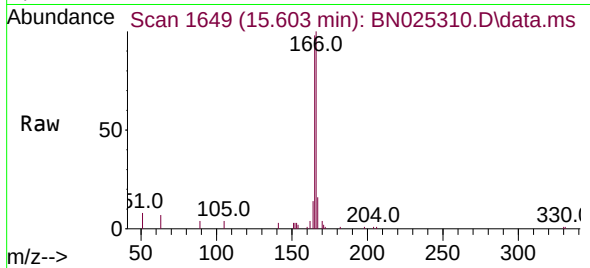




#18
 Fluorene
 Concen: 0.215 ng
 RT: 15.603 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: BN025310.D
 Acq: 06 May 2023 11:47

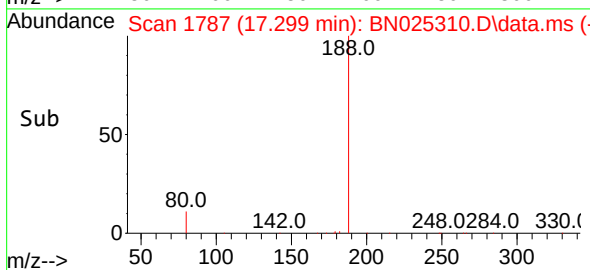
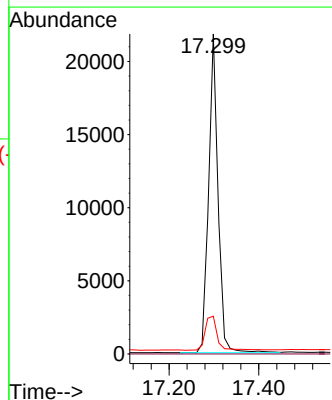
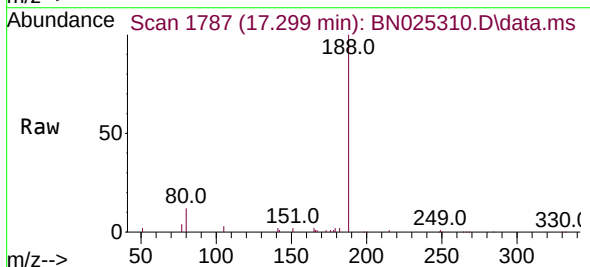
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-A-3-6-05022023

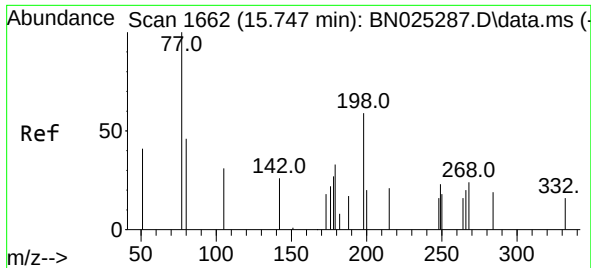
Tgt Ion:166 Resp: 11044
 Ion Ratio Lower Upper
 166 100
 165 102.5 79.0 118.4
 167 17.6 10.3 15.5#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.299 min Scan# 1787
 Delta R.T. -0.012 min
 Lab File: BN025310.D
 Acq: 06 May 2023 11:47

Tgt Ion:188 Resp: 31642
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 11.8 8.0 12.0

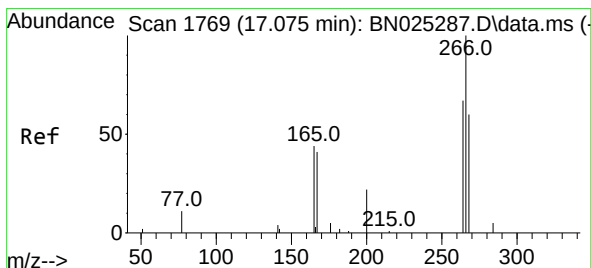
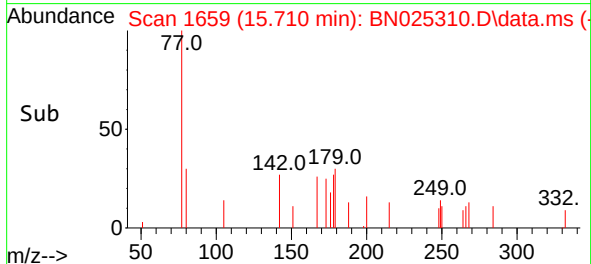
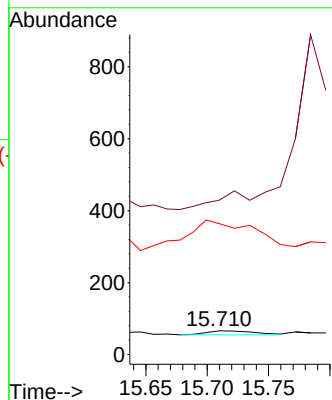
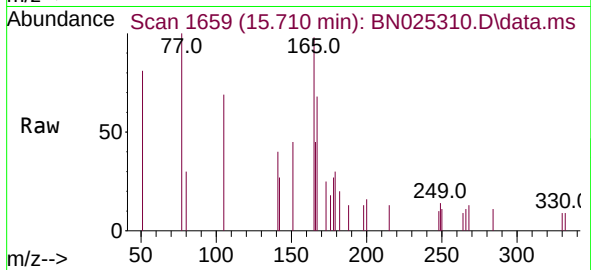




#20
4,6-Dinitro-2-methylphenol
Concen: 0.284 ng
RT: 15.710 min Scan# 1659
Delta R.T. -0.037 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

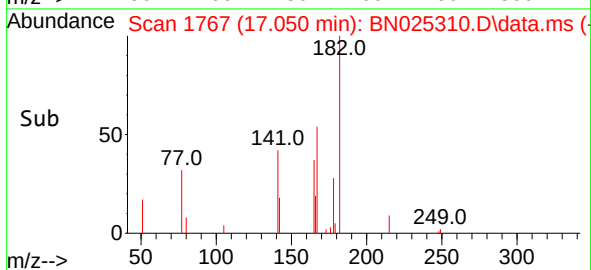
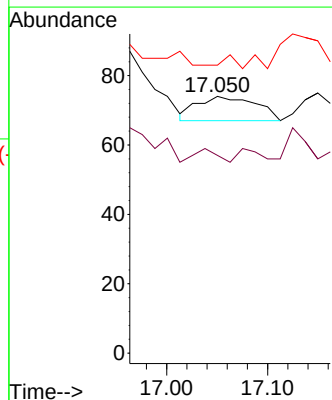
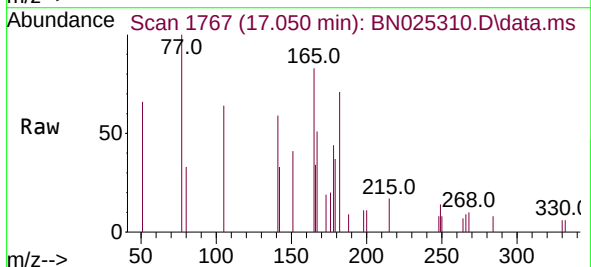
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

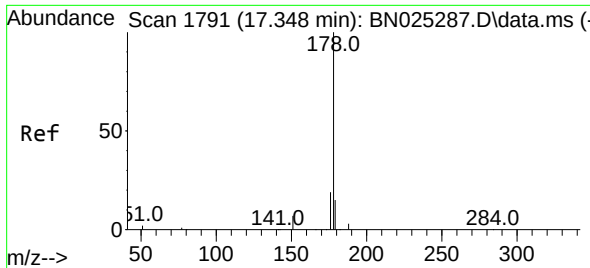
Tgt Ion:198 Resp: 29
Ion Ratio Lower Upper
198 100
51 650.0 162.1 243.1#
105 551.5 83.1 124.7#



#24
Pentachlorophenol
Concen: 0.270 ng
RT: 17.050 min Scan# 1767
Delta R.T. -0.025 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

Tgt Ion:266 Resp: 28
Ion Ratio Lower Upper
266 100
264 14.3 43.0 64.4#
268 0.0 47.4 71.2#

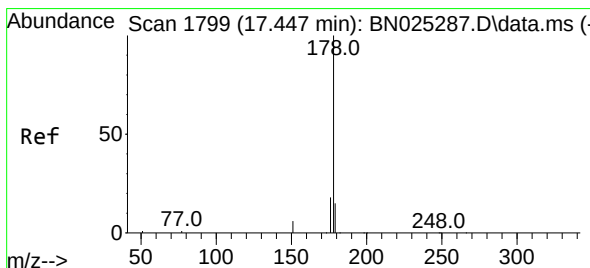
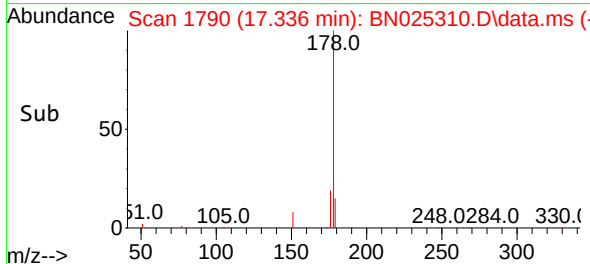
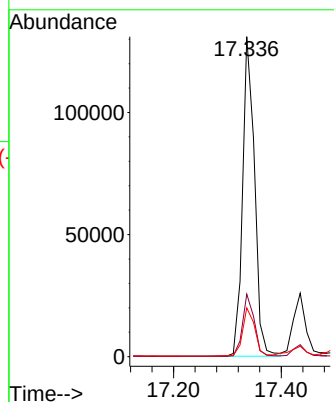
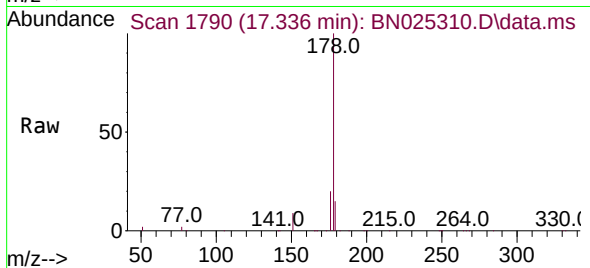




#25
Phenanthrene
Concen: 2.300 ng
RT: 17.336 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

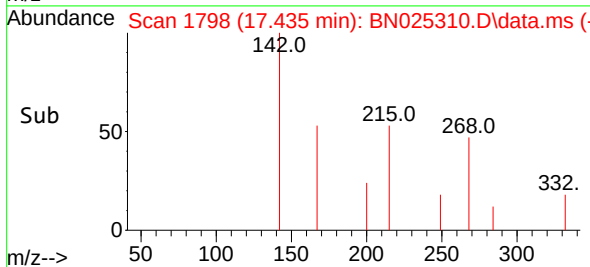
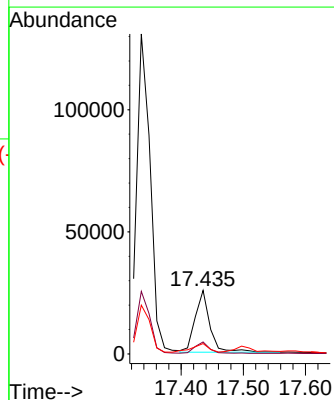
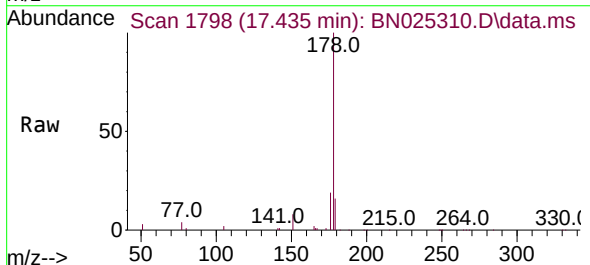
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

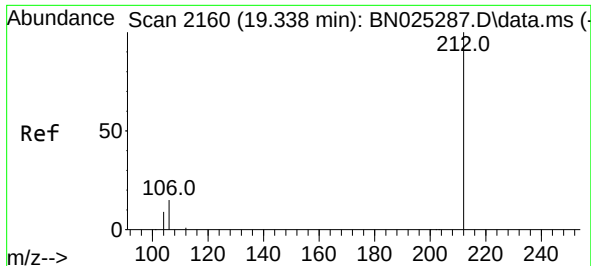
Tgt Ion:178 Resp: 201343
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.4 12.4 18.6



#26
Anthracene
Concen: 0.511 ng
RT: 17.435 min Scan# 1798
Delta R.T. -0.012 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

Tgt Ion:178 Resp: 41915
Ion Ratio Lower Upper
178 100
176 17.9 14.9 22.3
179 15.2 12.0 18.0

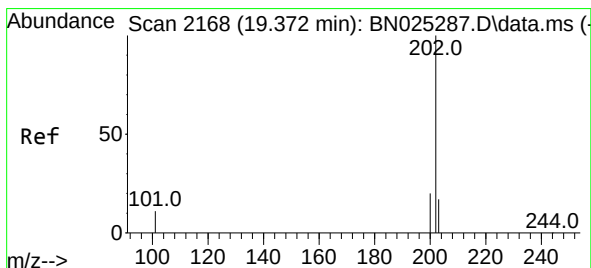
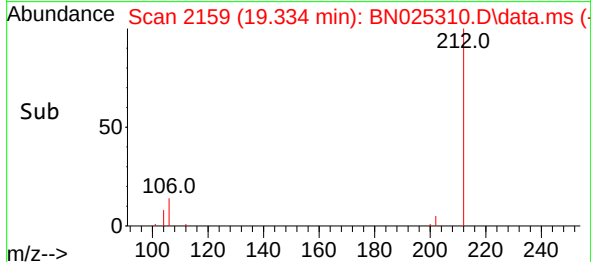
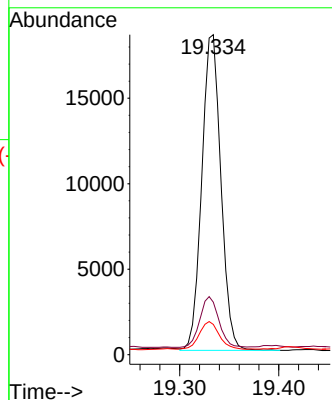
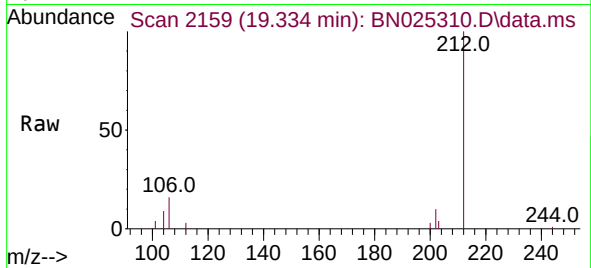




#27
Fluoranthene-d10
Concen: 0.317 ng
RT: 19.334 min Scan# 2159
Delta R.T. -0.004 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

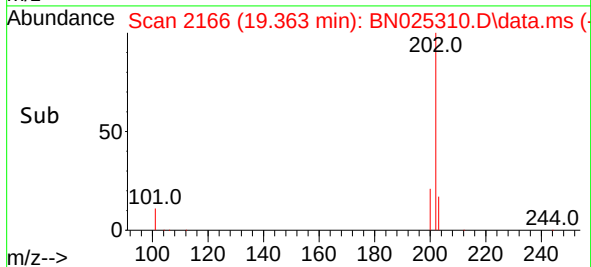
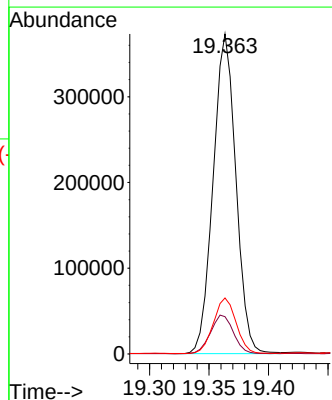
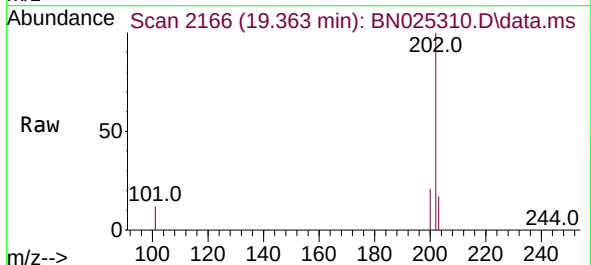
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

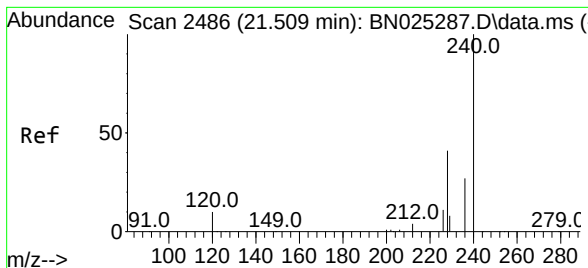
Tgt Ion:212 Resp: 24799
Ion Ratio Lower Upper
212 100
106 15.9 12.6 19.0
104 9.3 7.0 10.6



#28
Fluoranthene
Concen: 4.531 ng
RT: 19.363 min Scan# 2166
Delta R.T. -0.008 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

Tgt Ion:202 Resp: 495669
Ion Ratio Lower Upper
202 100
101 12.2 9.8 14.8
203 17.4 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.500 min Scan# 2486

Delta R.T. -0.009 min

Lab File: BN025310.D

Acq: 06 May 2023 11:47

Instrument :

BNA_N

ClientSampleId :

ZONE-A-3-6-05022023

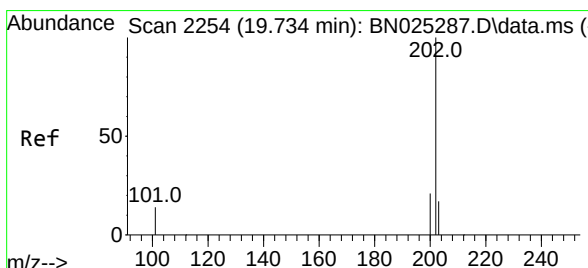
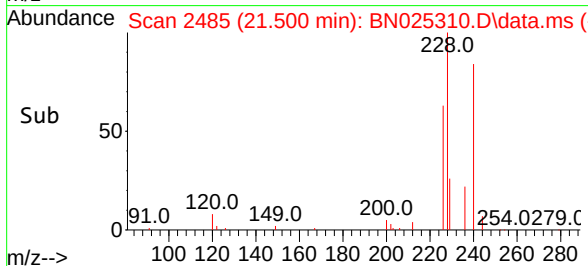
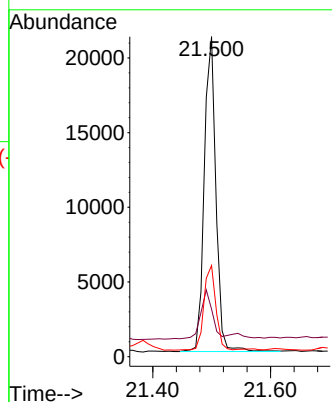
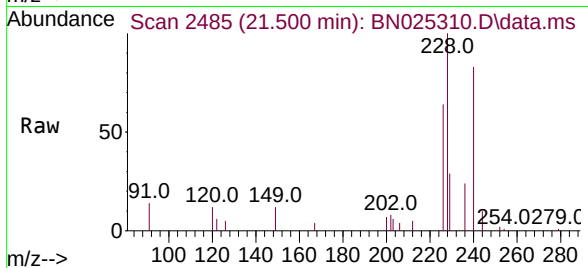
Tgt Ion:240 Resp: 28988

Ion Ratio Lower Upper

240 100

120 14.8 10.3 15.5

236 28.5 22.3 33.5



#30

Pyrene

Concen: 4.521 ng

RT: 19.726 min Scan# 2252

Delta R.T. -0.008 min

Lab File: BN025310.D

Acq: 06 May 2023 11:47

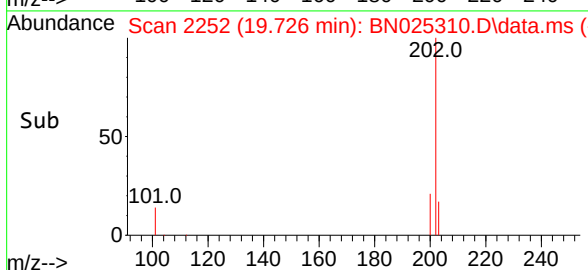
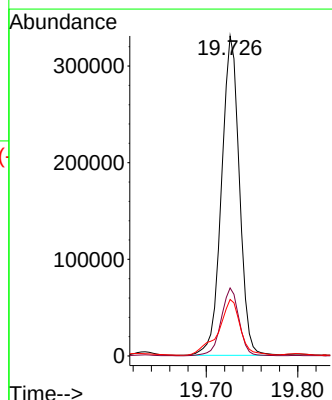
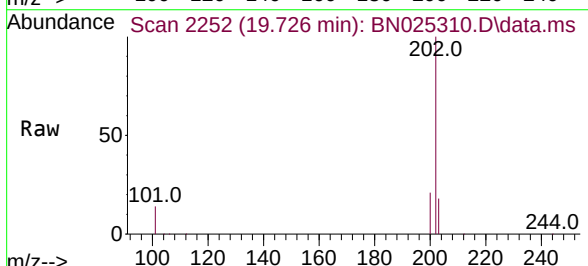
Tgt Ion:202 Resp: 447997

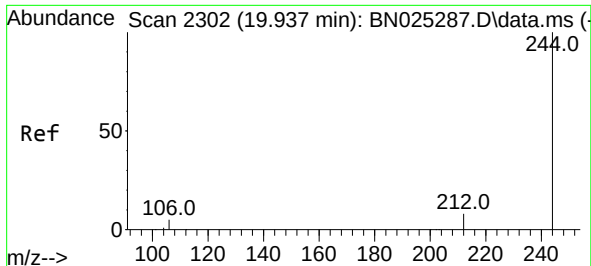
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 21.2 14.4 21.6

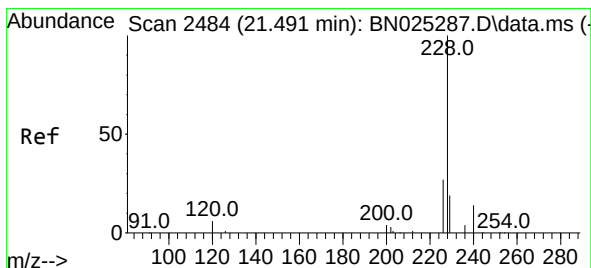
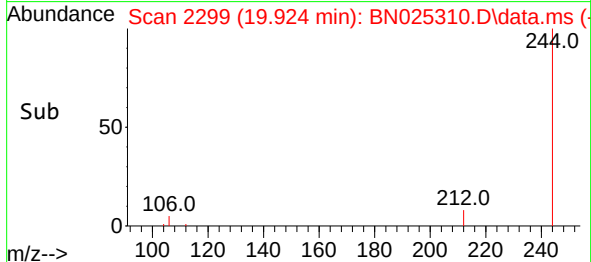
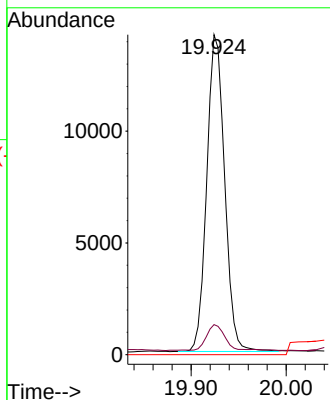
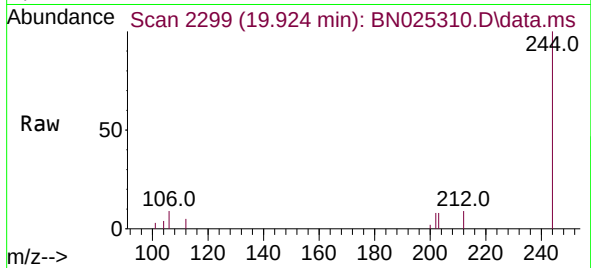




#31
 Terphenyl-d14
 Concen: 0.318 ng
 RT: 19.924 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BN025310.D
 Acq: 06 May 2023 11:47

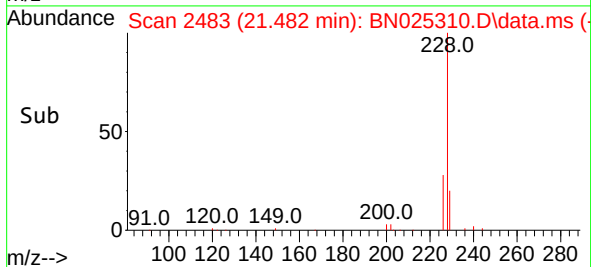
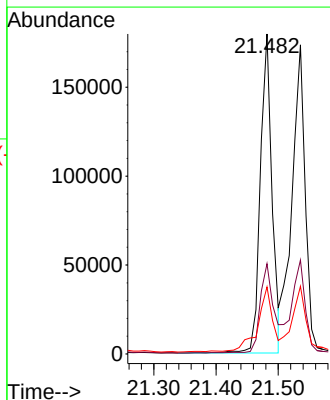
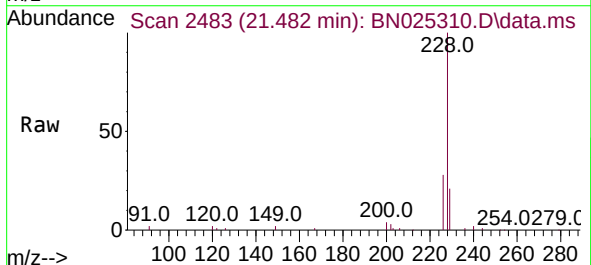
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-A-3-6-05022023

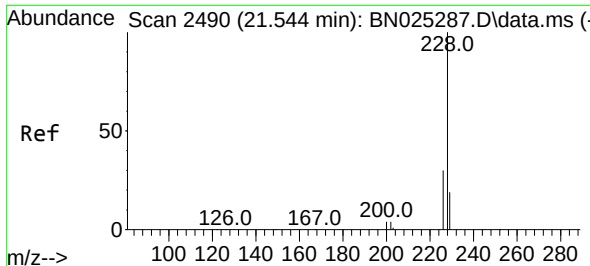
Tgt Ion:244 Resp: 18562
 Ion Ratio Lower Upper
 244 100
 212 9.4 7.1 10.7
 122 0.0 0.0 0.0



#32
 Benzo(a)anthracene
 Concen: 2.392 ng
 RT: 21.482 min Scan# 2483
 Delta R.T. -0.009 min
 Lab File: BN025310.D
 Acq: 06 May 2023 11:47

Tgt Ion:228 Resp: 234358
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.5 33.7
 229 21.0 16.2 24.2

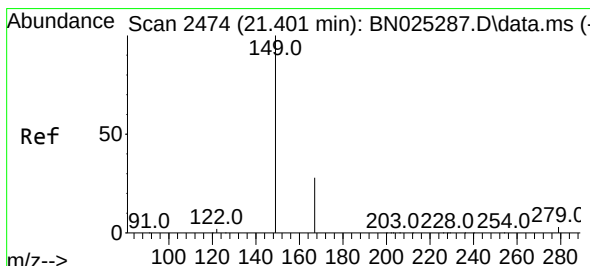
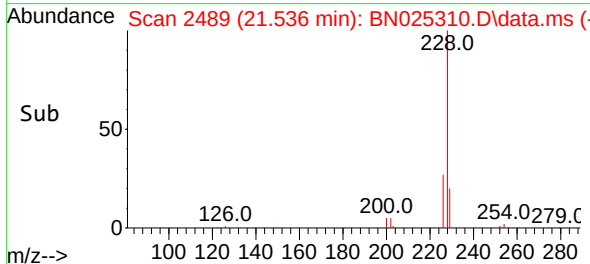
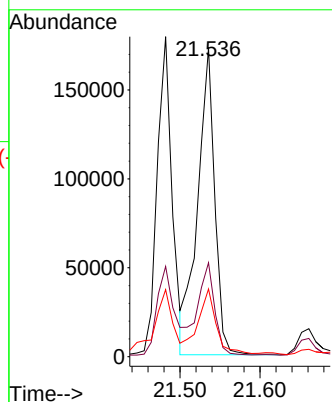
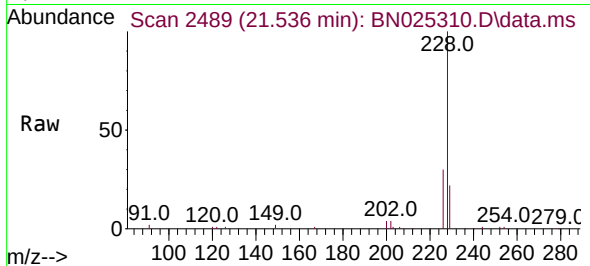




#33
Chrysene
Concen: 2.641 ng
RT: 21.536 min Scan# 2489
Delta R.T. -0.009 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

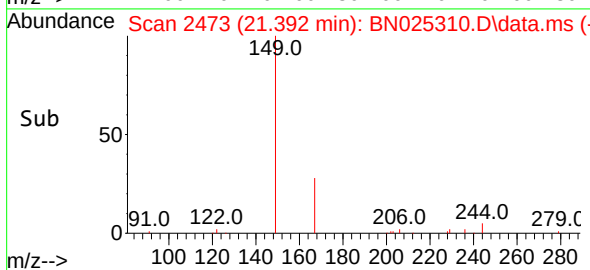
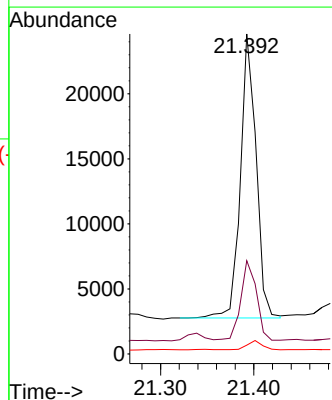
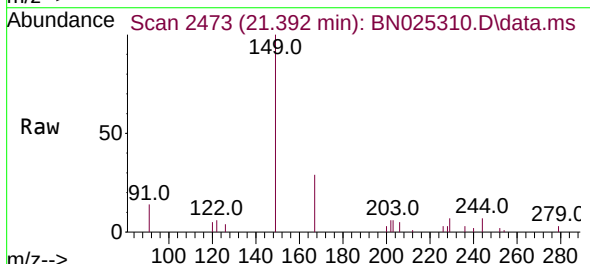
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

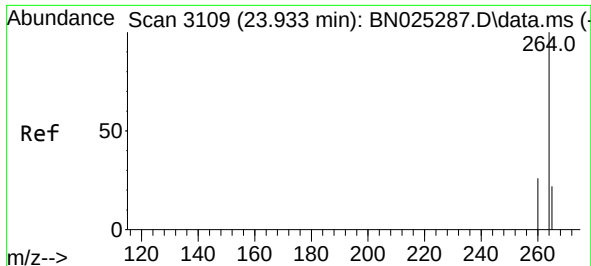
Tgt Ion:228 Resp: 257564
Ion Ratio Lower Upper
228 100
226 30.4 24.6 36.8
229 21.9 16.2 24.4



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.332 ng
RT: 21.392 min Scan# 2473
Delta R.T. -0.009 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

Tgt Ion:149 Resp: 25493
Ion Ratio Lower Upper
149 100
167 28.2 22.2 33.4
279 3.0 2.6 4.0





#35
Perylene-d12

Concen: 0.400 ng

RT: 23.919 min Scan# 3109

Delta R.T. -0.014 min

Lab File: BN025310.D

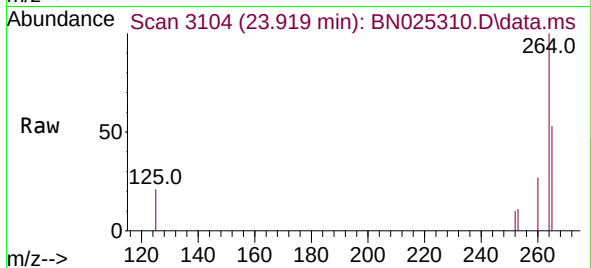
Acq: 06 May 2023 11:47

Instrument :

BNA_N

ClientSampleId :

ZONE-A-3-6-05022023



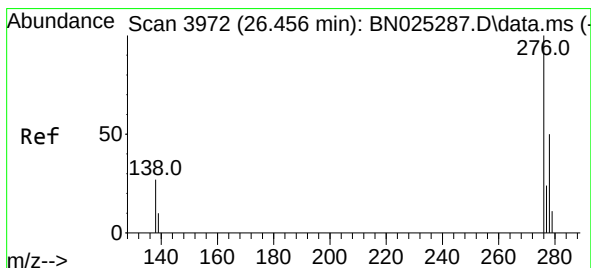
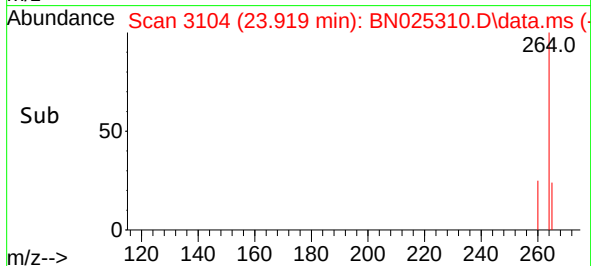
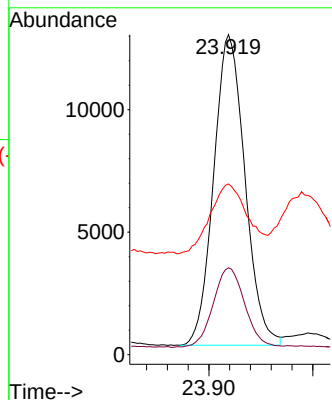
Tgt Ion:264 Resp: 26466

Ion Ratio Lower Upper

264 100

260 27.2 21.5 32.3

265 53.4 46.2 69.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.136 ng

RT: 26.433 min Scan# 3964

Delta R.T. -0.023 min

Lab File: BN025310.D

Acq: 06 May 2023 11:47

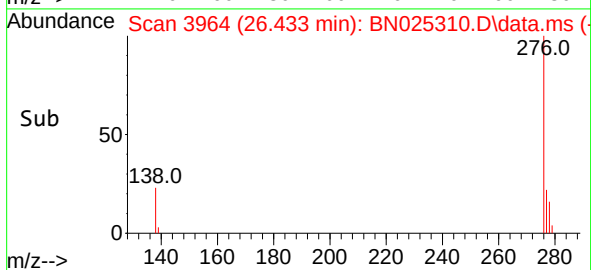
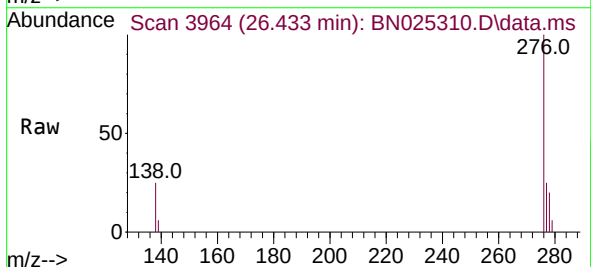
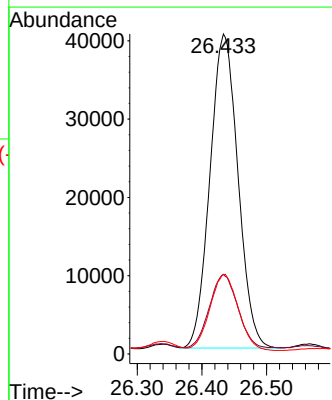
Tgt Ion:276 Resp: 120493

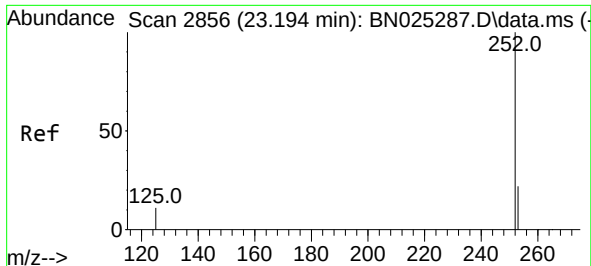
Ion Ratio Lower Upper

276 100

138 23.4 22.5 33.7

277 24.6 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 3.816 ng

RT: 23.185 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN025310.D

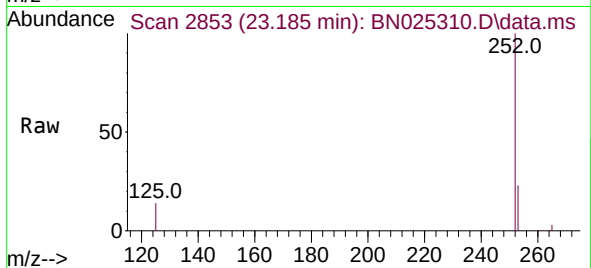
Acq: 06 May 2023 11:47

Instrument :

BNA_N

ClientSampleId :

ZONE-A-3-6-05022023



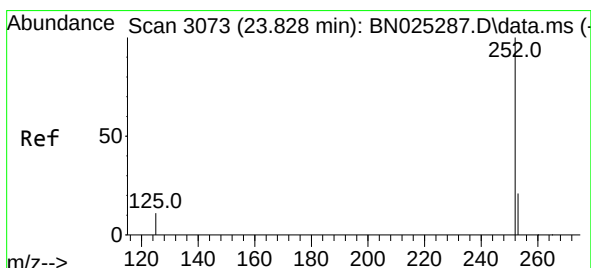
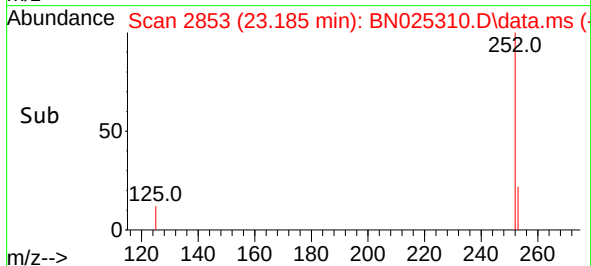
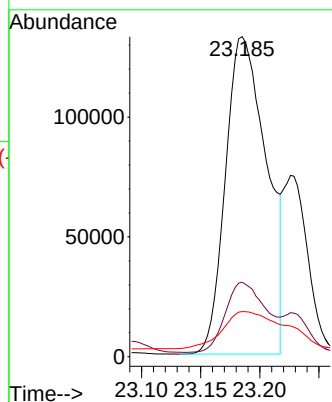
Tgt Ion:252 Resp: 320145

Ion Ratio Lower Upper

252 100

253 23.2 20.8 31.2

125 14.1 13.4 20.2



#39

Benzo(a)pyrene

Concen: 1.750 ng

RT: 23.708 min Scan# 3032

Delta R.T. -0.120 min

Lab File: BN025310.D

Acq: 06 May 2023 11:47

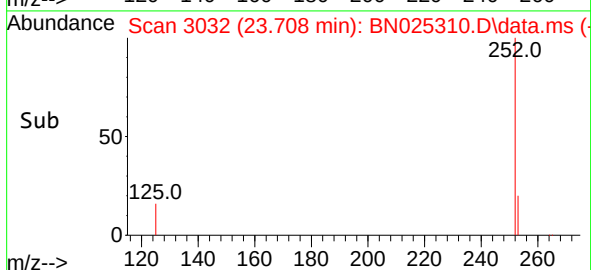
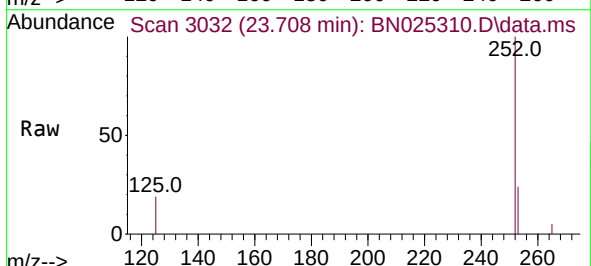
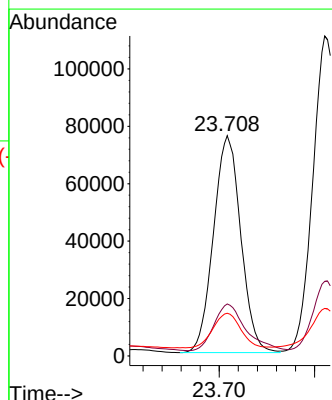
Tgt Ion:252 Resp: 150432

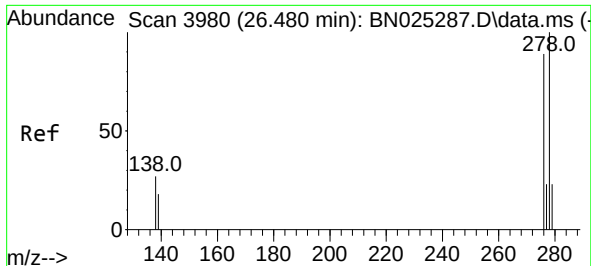
Ion Ratio Lower Upper

252 100

253 23.6 21.4 32.0

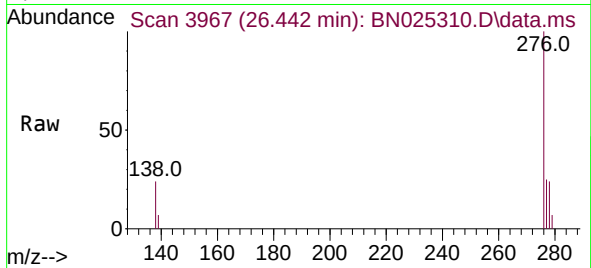
125 19.4 15.4 23.2



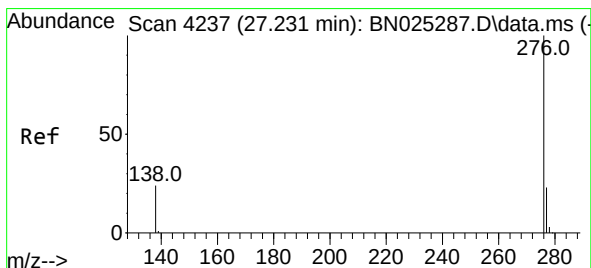
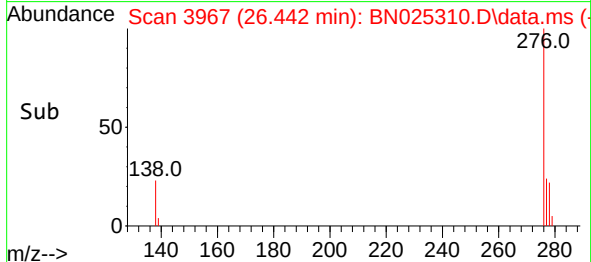
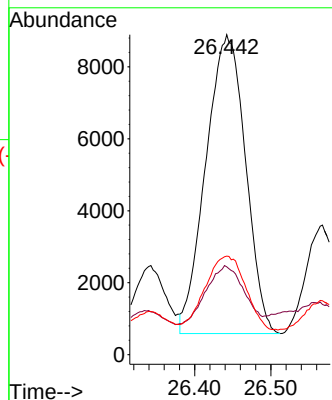


#40
Dibenzo(a,h)anthracene
Concen: 0.358 ng
RT: 26.442 min Scan# 3980
Delta R.T. -0.038 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023



Tgt Ion:278 Resp: 30027
Ion Ratio Lower Upper
278 100
139 27.5 17.6 26.4#
279 30.8 21.6 32.4



#41
Benzo(g,h,i)perylene
Concen: 1.245 ng
RT: 27.211 min Scan# 4230
Delta R.T. -0.020 min
Lab File: BN025310.D
Acq: 06 May 2023 11:47

Tgt Ion:276 Resp: 114598
Ion Ratio Lower Upper
276 100
277 24.7 20.1 30.1
138 25.6 21.0 31.6

