

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051123\
 Data File : BN025421.D
 Acq On : 12 May 2023 03:53
 Operator : CG/JU
 Sample : 02719-12
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 FB-01_20230509

Quant Time: May 12 04:25:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 00:57:16 2023
 Response via : Initial Calibration

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

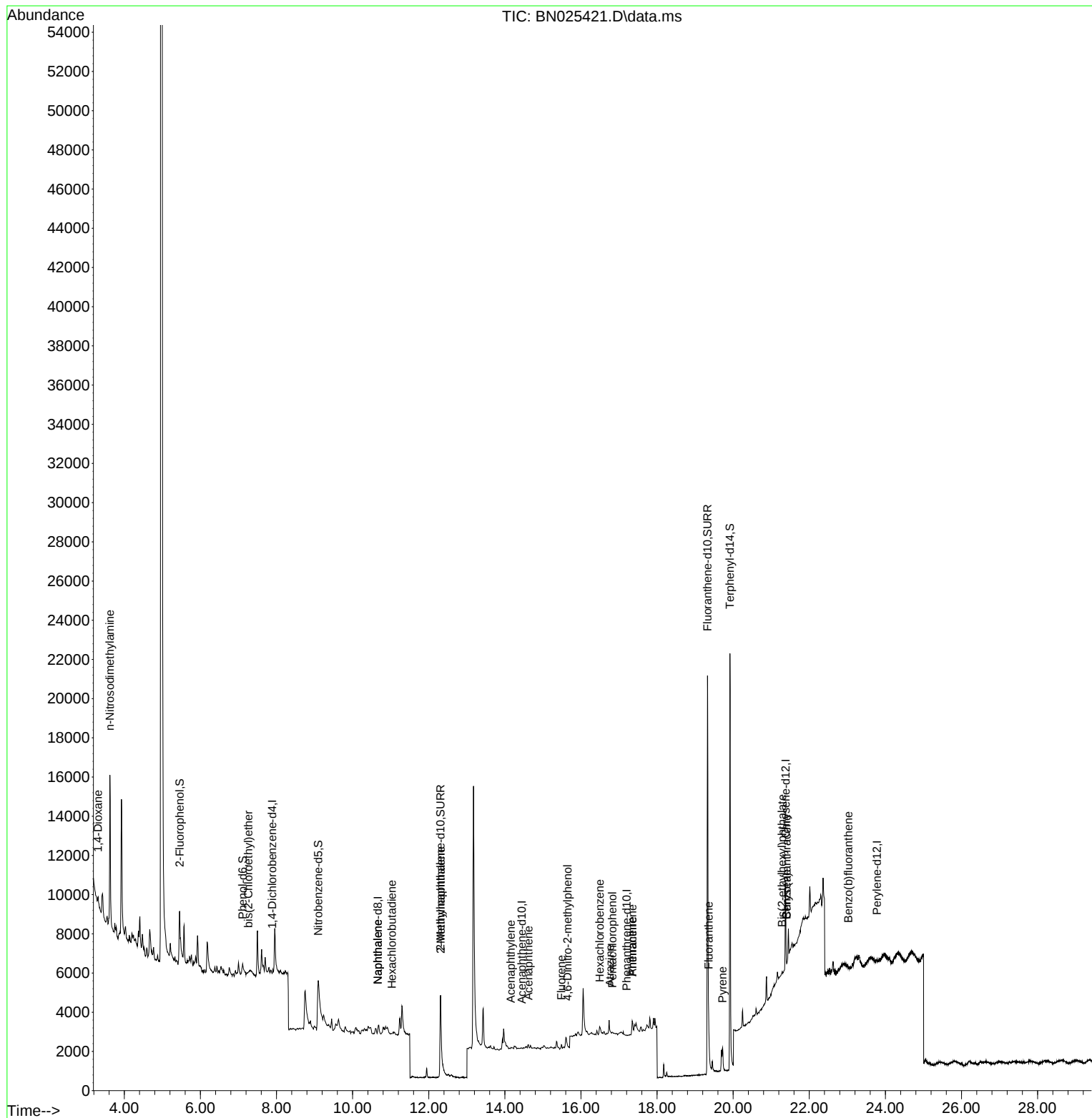
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.889	152	16	0.400	ng	#-0.01
7) Naphthalene-d8	10.664	136	5	0.400	ng	#-0.04
13) Acenaphthene-d10	14.448	164	28	0.400	ng	#-0.10
19) Phenanthrene-d10	17.199	188	4	0.400	ng	#-0.10
29) Chrysene-d12	21.378	240	31	0.400	ng	#-0.12
35) Perylene-d12	23.780	264	295	0.400	ng	#-0.15
System Monitoring Compounds						
4) 2-Fluorophenol	5.455	112	2230	60.139	ng	0.00
5) Phenol-d6	7.109	99	1143	22.687	ng	0.03
8) Nitrobenzene-d5	9.095	82	5013	1240.470	ng	0.01
11) 2-Methylnaphthalene-d10	12.309	152	10297	1561.490	ng	0.00
14) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
15) 2-Fluorobiphenyl	0.000	172	0	0.000	ng	
27) Fluoranthene-d10	19.325	212	25538	2789.502	ng	0.00
31) Terphenyl-d14	19.915	244	24237	324.530	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.310	88	187	12.655	ng	# 55
3) n-Nitrosodimethylamine	3.621	42	800	33.745	ng	# 1
6) bis(2-Chloroethyl)ether	7.261	93	159	4.131	ng	# 37
9) Naphthalene	10.664	128	13	1.032	ng	# 1
10) Hexachlorobutadiene	11.027	225	8	3.271	ng	# 18
12) 2-Methylnaphthalene	12.313	142	7	0.804	ng	# 16
16) Acenaphthylene	14.159	152	8	0.061	ng	# 1
17) Acenaphthene	14.619	154	140	1.819	ng	99
18) Fluorene	15.485	166	17	0.167	ng	# 1
20) 4,6-Dinitro-2-methylph...	15.645	198	3	5.447	ng	# 1
22) Hexachlorobenzene	16.492	284	15	6.025	ng	# 1
23) Atrazine	16.765	200	153	83.596	ng	# 40
24) Pentachlorophenol	16.827	266	13	9.584	ng	# 19
25) Phenanthrene	17.348	178	1227	113.327	ng	98
26) Anthracene	17.348	178	1218	115.968	ng	97
28) Fluoranthene	19.355	202	1335	106.422	ng	# 81
30) Pyrene	19.721	202	1155	8.839	ng	97
32) Benzo(a)anthracene	21.405	228	22	0.208	ng	# 1
33) Chrysene	21.405	228	22	0.214	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.289	149	608	5.971	ng	# 66
37) Benzo(b)fluoranthene	23.028	252	51	0.053	ng	# 1

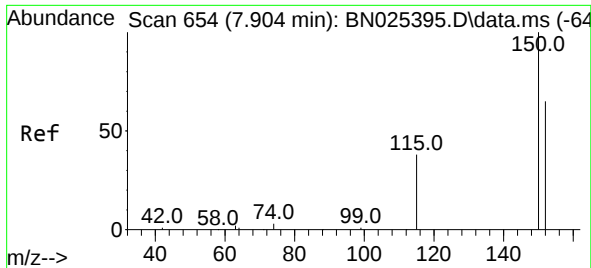
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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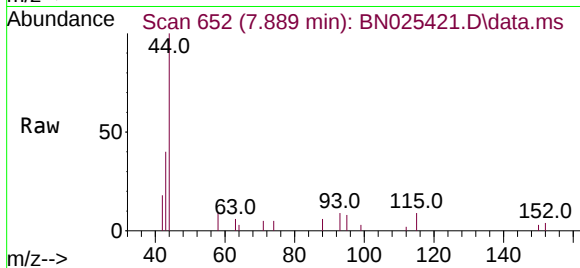
Quant Time: May 12 04:25:13 2023
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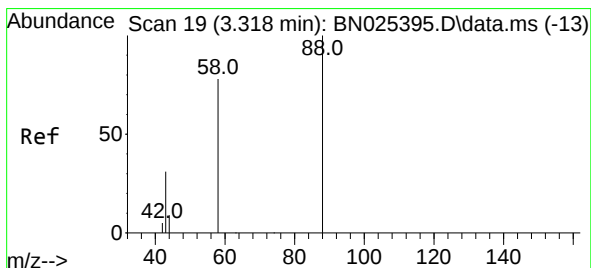
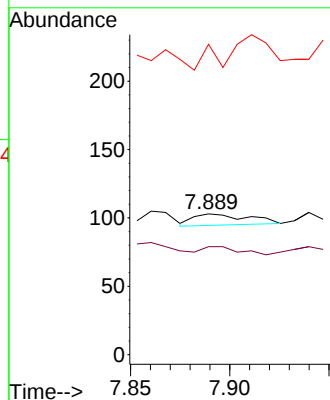
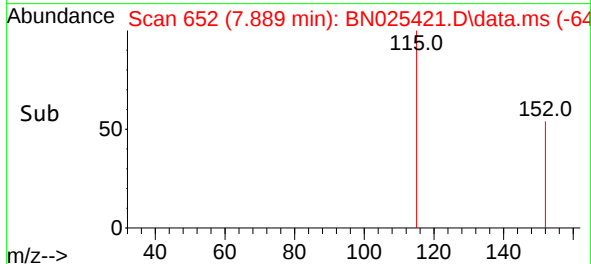


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.889 min Scan# 61
 Delta R.T. -0.015 min
 Lab File: BN025421.D
 Acq: 12 May 2023 03:53

Instrument :
 BNA_N
 ClientSampleId :
 FB-01_20230509

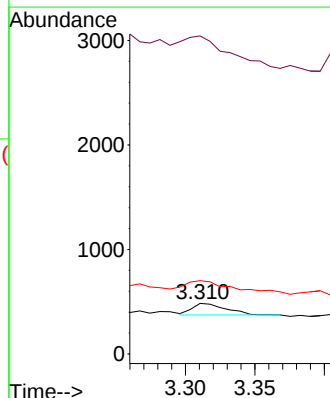
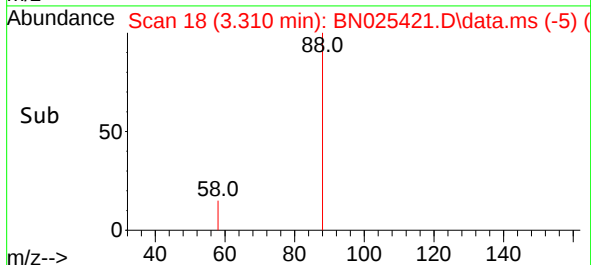
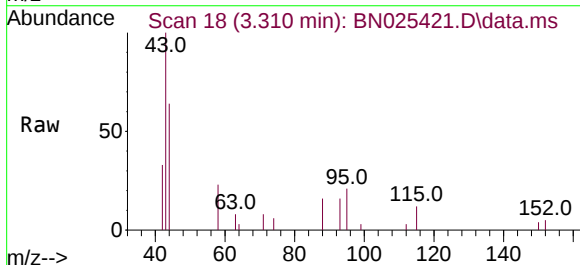


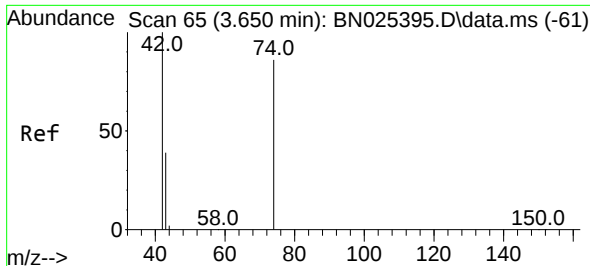
Tgt Ion:152 Resp: 16
 Ion Ratio Lower Upper
 152 100
 150 76.7 121.4 182.2#
 115 220.4 50.6 76.0#



#2
 1,4-Dioxane
 Concen: 12.655 ng
 RT: 3.310 min Scan# 18
 Delta R.T. -0.007 min
 Lab File: BN025421.D
 Acq: 12 May 2023 03:53

Tgt Ion: 88 Resp: 187
 Ion Ratio Lower Upper
 88 100
 43 0.0 37.4 56.2#
 58 118.7 71.5 107.3#

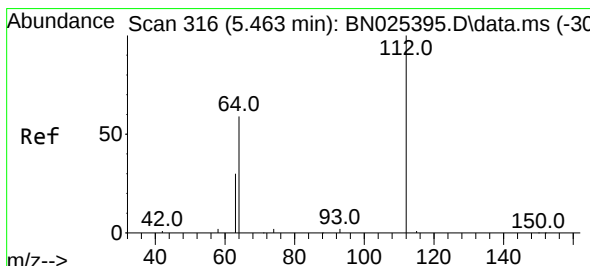
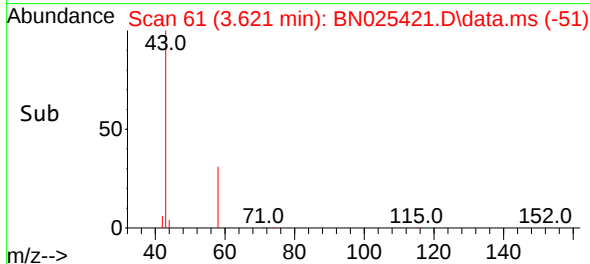
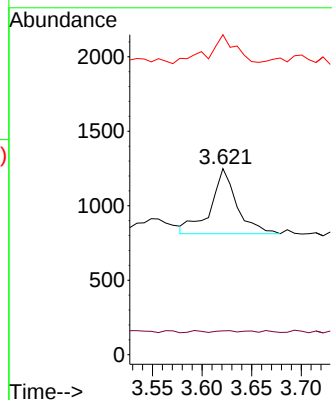
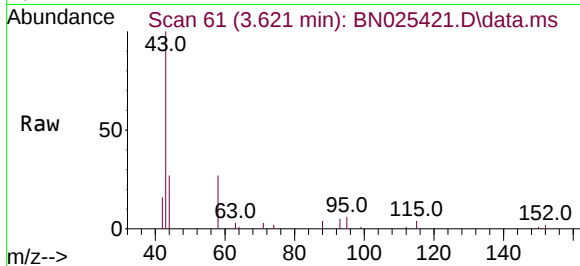




#3
n-Nitrosodimethylamine
Concen: 33.745 ng
RT: 3.621 min Scan# 61
Delta R.T. -0.029 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

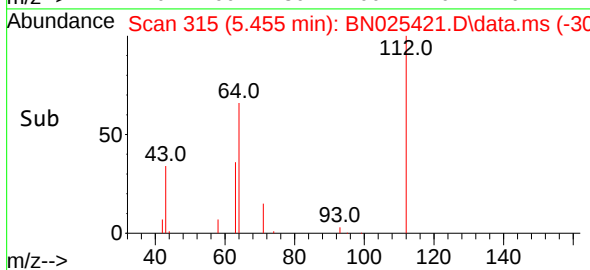
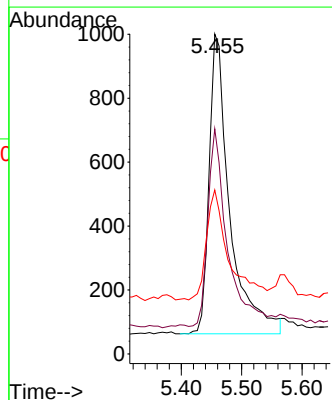
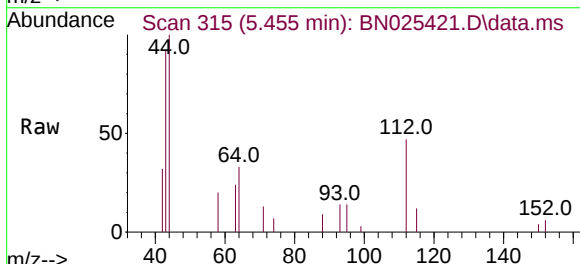
Instrument :
BNA_N
ClientSampleId :
FB-01_20230509

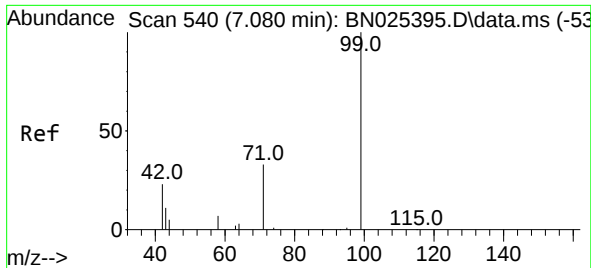
Tgt Ion: 42 Resp: 800
Ion Ratio Lower Upper
42 100
74 2.1 82.2 123.4#
44 46.3 7.8 11.8#



#4
2-Fluorophenol
Concen: 60.139 ng
RT: 5.455 min Scan# 315
Delta R.T. -0.007 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

Tgt Ion: 112 Resp: 2230
Ion Ratio Lower Upper
112 100
64 63.3 51.9 77.9
63 38.9 27.4 41.2

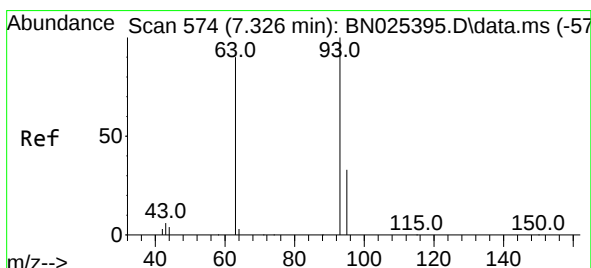
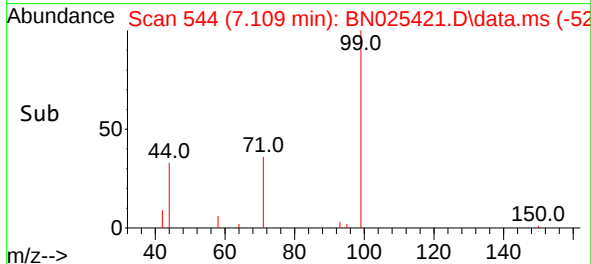
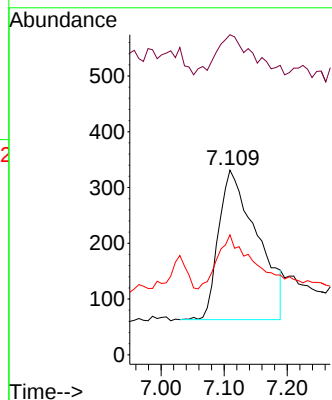
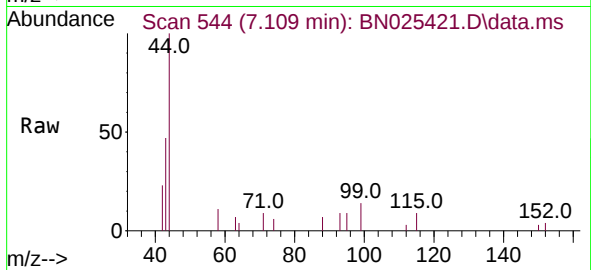




#5
Phenol-d6
Concen: 22.687 ng
RT: 7.109 min Scan# 541
Delta R.T. 0.029 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

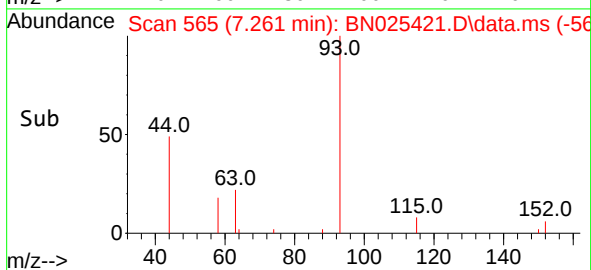
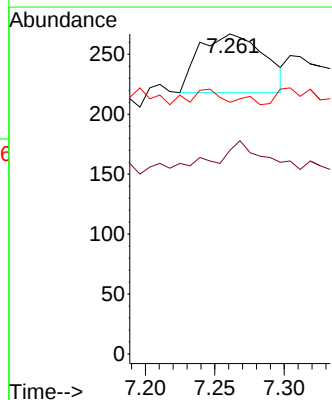
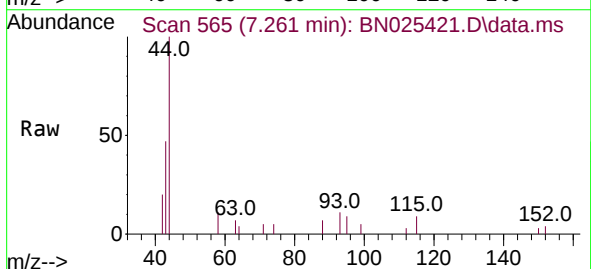
Instrument :
BNA_N
ClientSampleId :
FB-01_20230509

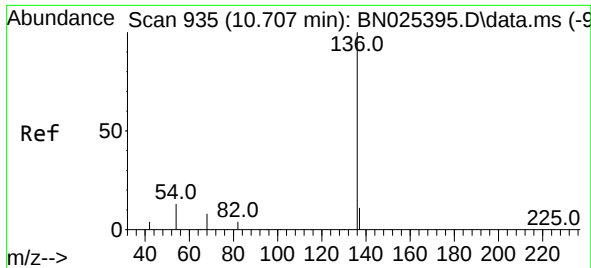
Tgt Ion: 99 Resp: 1143
Ion Ratio Lower Upper
99 100
42 24.1 23.5 35.3
71 31.8 28.1 42.1



#6
bis(2-Chloroethyl)ether
Concen: 4.131 ng
RT: 7.261 min Scan# 565
Delta R.T. -0.065 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

Tgt Ion: 93 Resp: 159
Ion Ratio Lower Upper
93 100
63 30.2 71.3 106.9#
95 0.0 31.0 46.4#

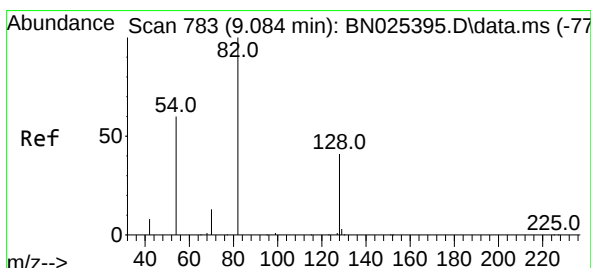
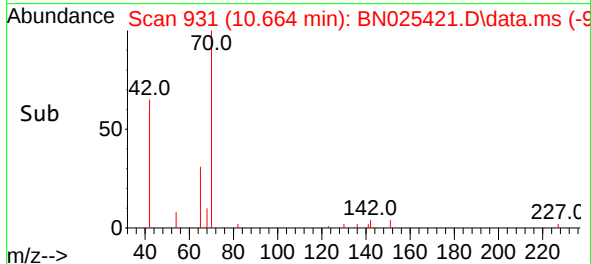
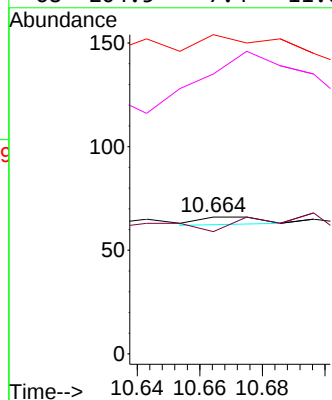
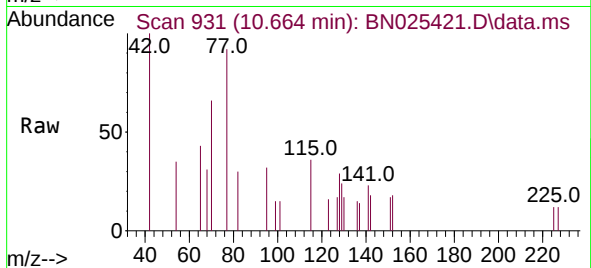




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.664 min Scan# 91
Delta R.T. -0.043 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

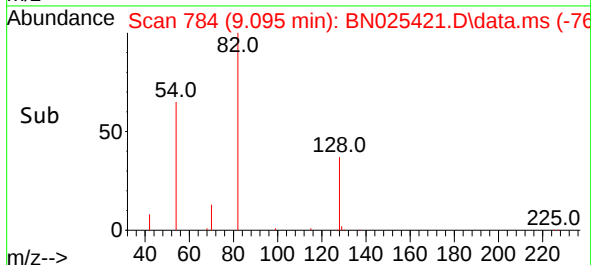
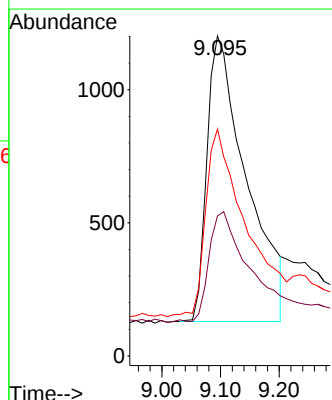
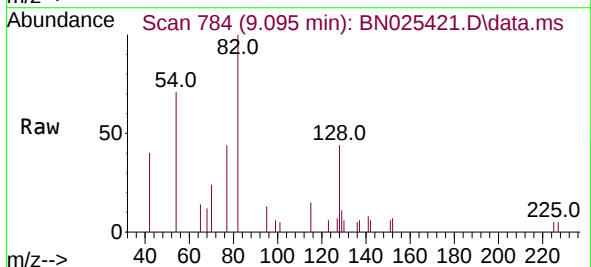
Instrument :
BNA_N
ClientSampleId :
FB-01_20230509

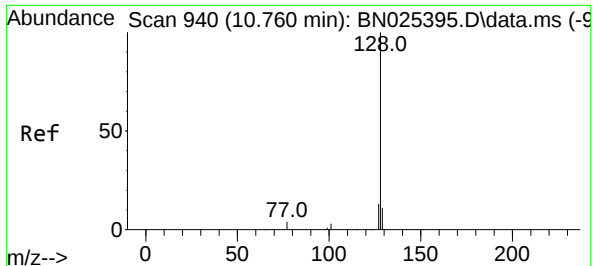
Tgt Ion:	136	Resp:	5
Ion	Ratio	Lower	Upper
136	100		
137	89.4	9.1	13.7#
54	233.3	11.2	16.8#
68	204.5	7.4	11.0#



#8
Nitrobenzene-d5
Concen: 1240.470 ng
RT: 9.095 min Scan# 784
Delta R.T. 0.011 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

Tgt Ion:	82	Resp:	5013
Ion	Ratio	Lower	Upper
82	100		
128	43.8	35.8	53.8
54	70.9	50.4	75.6

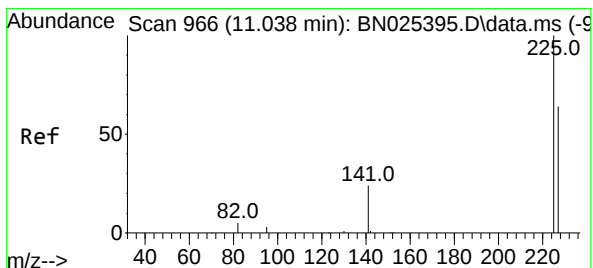
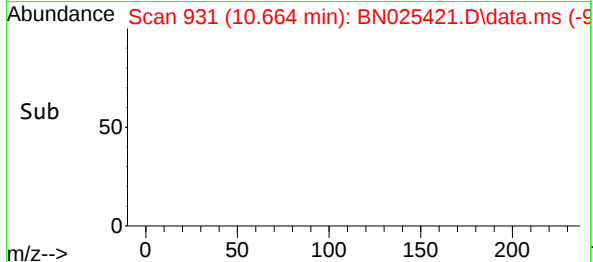
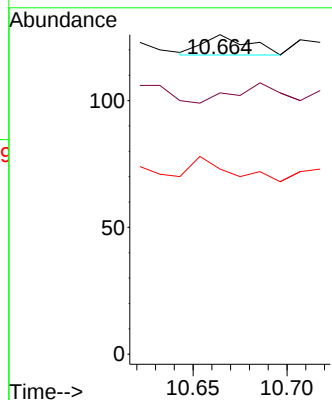
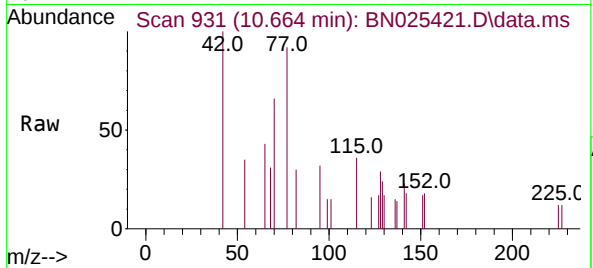




#9
Naphthalene
Concen: 1.032 ng
RT: 10.664 min Scan# 91
Delta R.T. -0.096 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

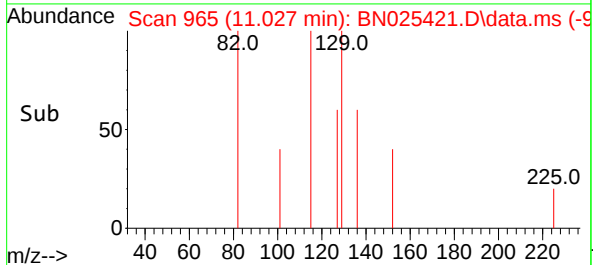
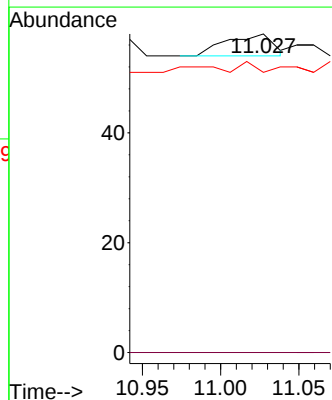
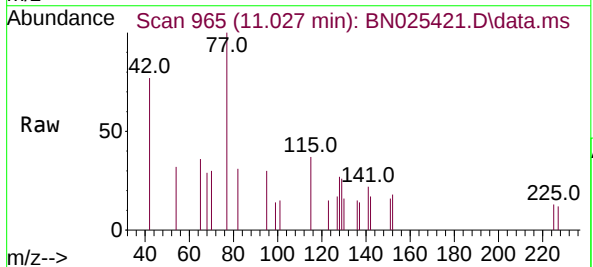
Instrument :
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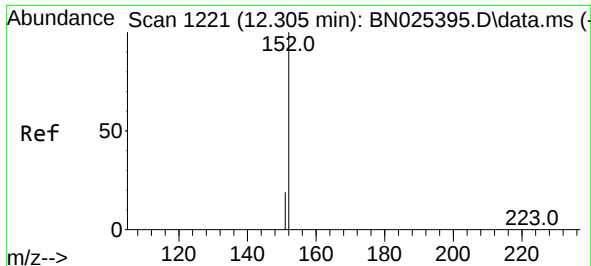
Tgt Ion:128 Resp: 13
Ion Ratio Lower Upper
128 100
129 81.7 9.3 13.9#
127 57.9 10.8 16.2#



#10
Hexachlorobutadiene
Concen: 3.271 ng
RT: 11.027 min Scan# 965
Delta R.T. -0.011 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

Tgt Ion:225 Resp: 8
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 0.0 50.8 76.2#





#11

2-Methylnaphthalene-d10

Concen: 1561.490 ng

RT: 12.309 min Scan# 11

Delta R.T. 0.004 min

Lab File: BN025421.D

Acq: 12 May 2023 03:53

Instrument :

BNA_N

ClientSampleId :

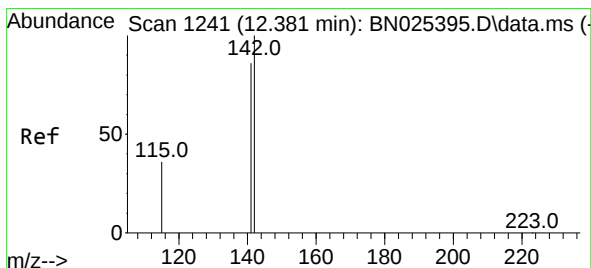
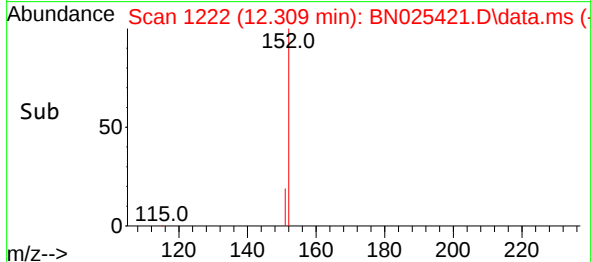
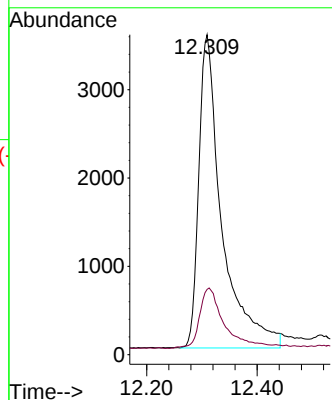
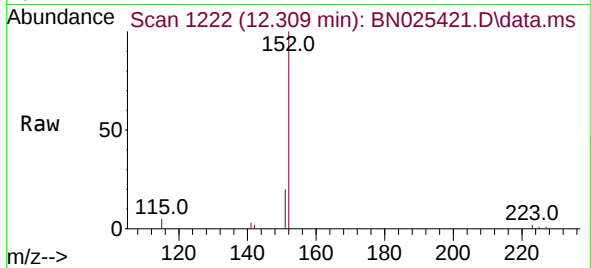
FB-01_20230509

Tgt Ion:152 Resp: 10297

Ion Ratio Lower Upper

152 100

151 20.7 16.1 24.1



#12

2-Methylnaphthalene

Concen: 0.804 ng

RT: 12.313 min Scan# 1223

Delta R.T. -0.068 min

Lab File: BN025421.D

Acq: 12 May 2023 03:53

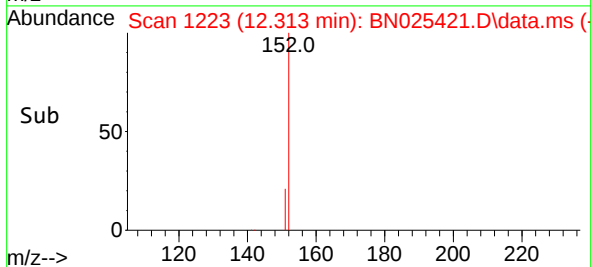
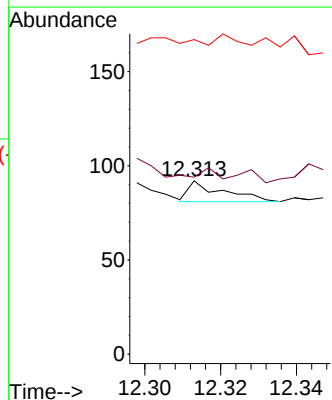
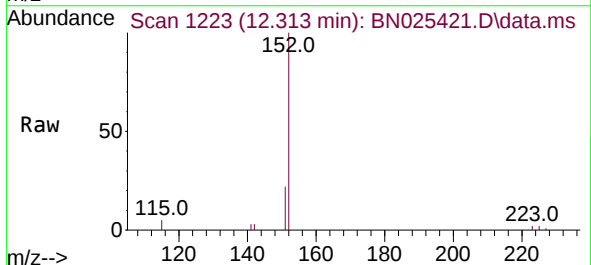
Tgt Ion:142 Resp: 7

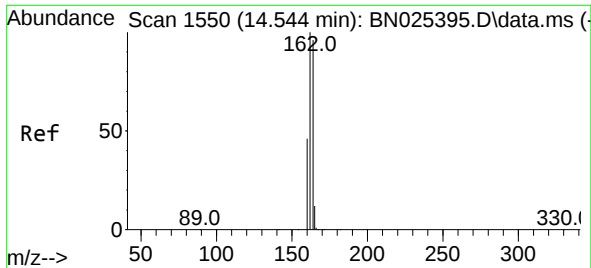
Ion Ratio Lower Upper

142 100

141 102.2 69.3 103.9

115 181.5 30.2 45.4#

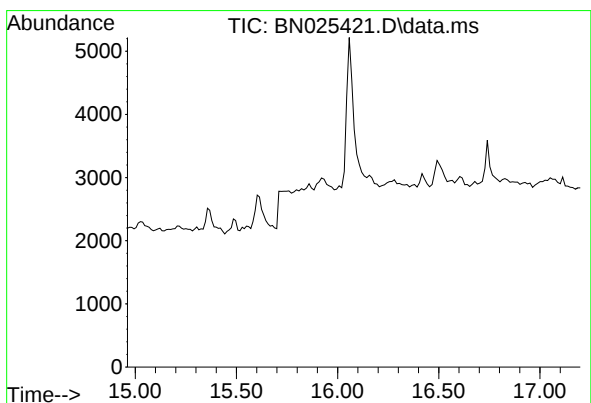
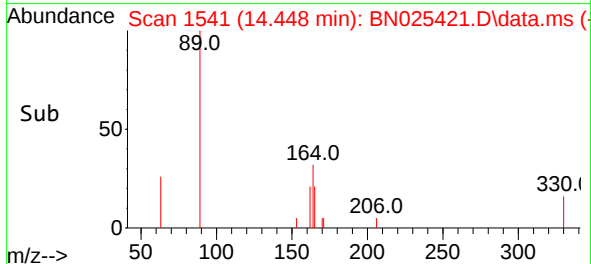
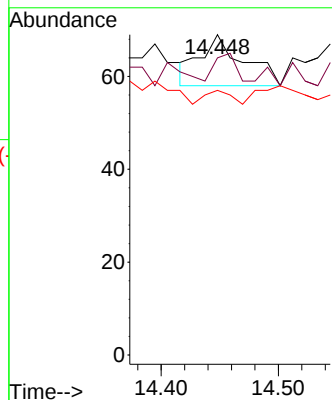
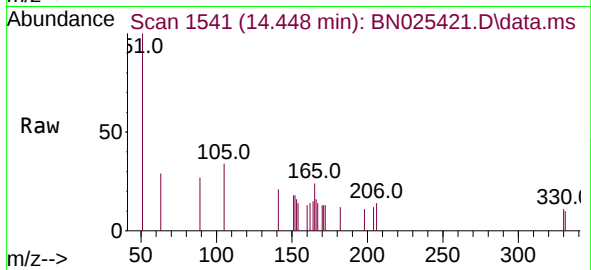




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.448 min Scan# 11
 Delta R.T. -0.096 min
 Lab File: BN025421.D
 Acq: 12 May 2023 03:53

Instrument :
 BNA_N
 ClientSampleId :
 FB-01_20230509

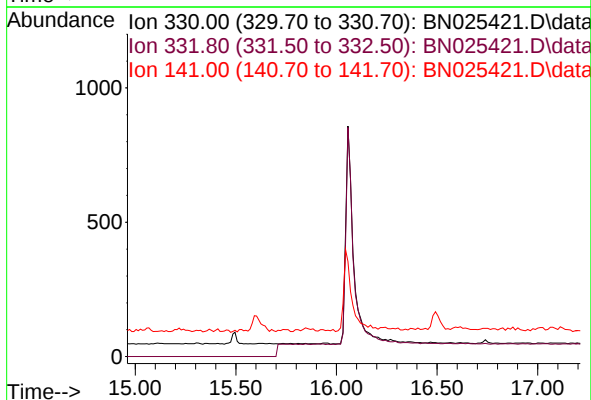
Tgt Ion:164 Resp: 28
 Ion Ratio Lower Upper
 164 100
 162 92.8 83.2 124.8
 160 82.6 38.8 58.2#

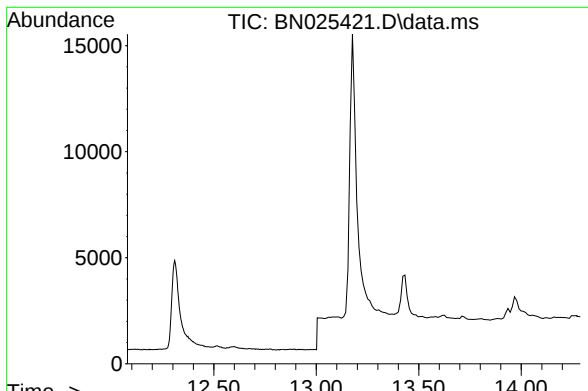


#14
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 16.06 min

Lab File: BN025421.D
 Acq: 12 May 2023 03:53

Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 97.5
 141 37.7



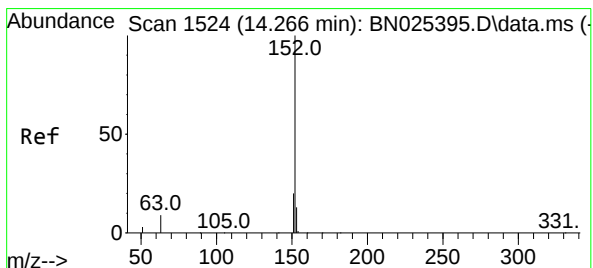
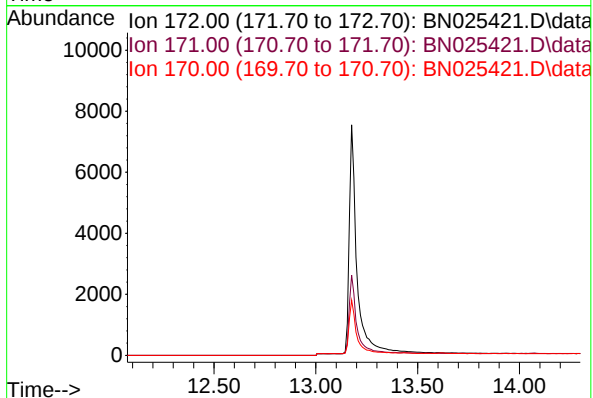


#15
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 13.18 min
 Lab File: BN025421.D
 Acq: 12 May 2023 03:53

Instrument :
 BNA_N
 ClientSampleId :
 FB-01_20230509

Tgt Ion: 172

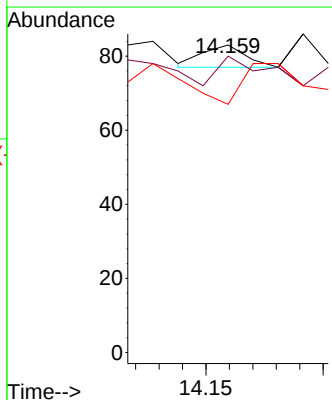
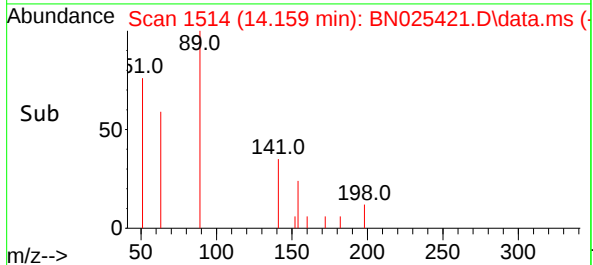
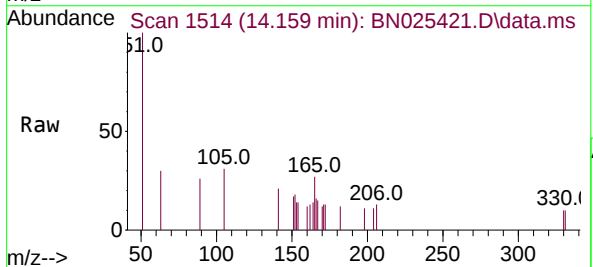
Sig	Exp Ratio
172	100
171	33.4
170	22.3

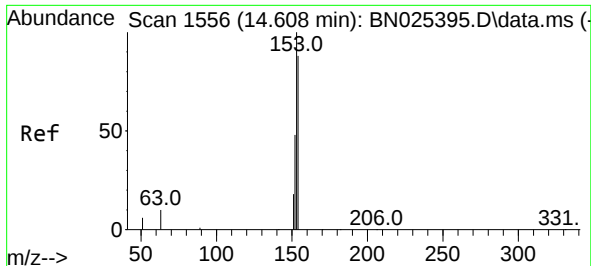


#16
 Acenaphthylene
 Concen: 0.061 ng
 RT: 14.159 min Scan# 1514
 Delta R.T. -0.107 min
 Lab File: BN025421.D
 Acq: 12 May 2023 03:53

Tgt Ion: 152 Resp: 8

Ion	Ratio	Lower	Upper
152	100		
151	137.5	15.9	23.9#
153	275.0	10.7	16.1#

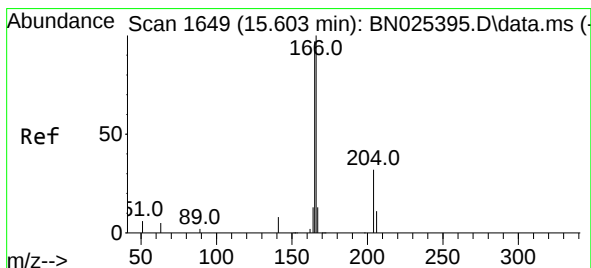
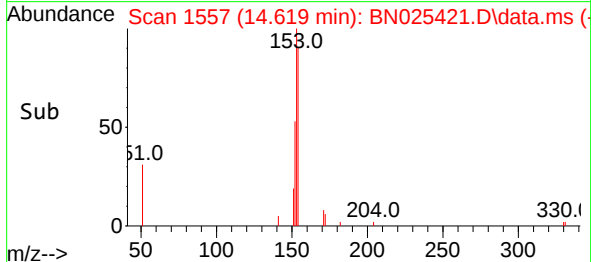
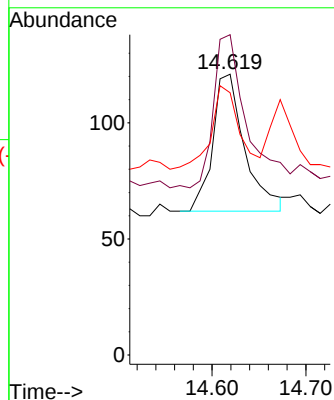
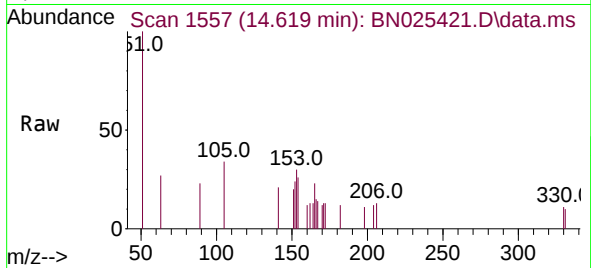




#17
Acenaphthene
Concen: 1.819 ng
RT: 14.619 min Scan# 1557
Delta R.T. 0.011 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

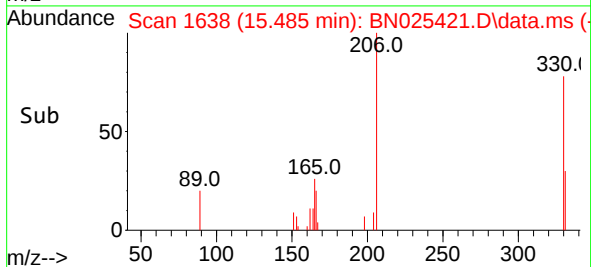
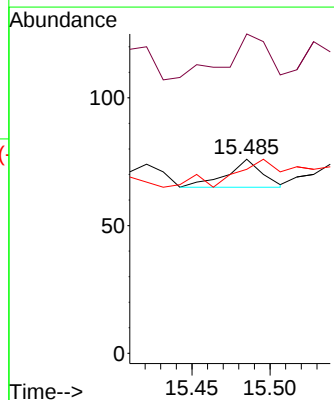
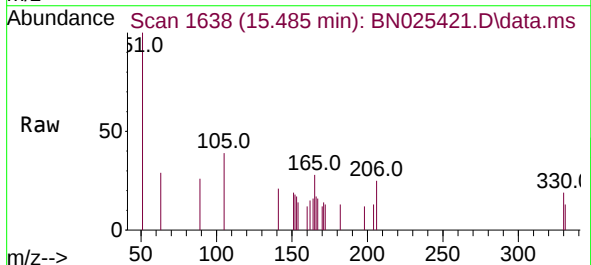
Instrument :
BNA_N
ClientSampleId :
FB-01_20230509

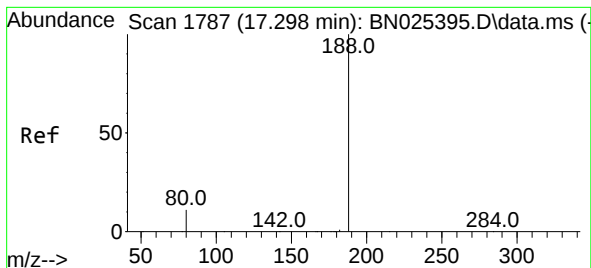
Tgt Ion:154 Resp: 140
Ion Ratio Lower Upper
154 100
153 114.3 91.7 137.5
152 53.6 44.6 66.8



#18
Fluorene
Concen: 0.167 ng
RT: 15.485 min Scan# 1638
Delta R.T. -0.117 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

Tgt Ion:166 Resp: 17
Ion Ratio Lower Upper
166 100
165 170.6 78.7 118.1#
167 188.2 10.7 16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.199 min Scan# 1

Delta R.T. -0.099 min

Lab File: BN025421.D

Acq: 12 May 2023 03:53

Instrument :

BNA_N

ClientSampleId :

FB-01_20230509

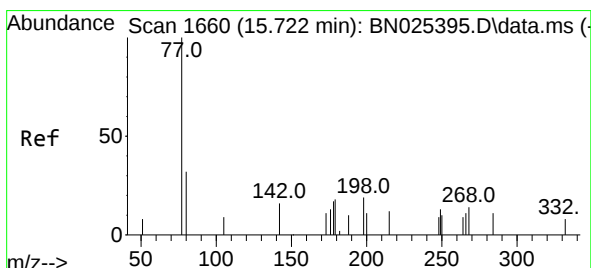
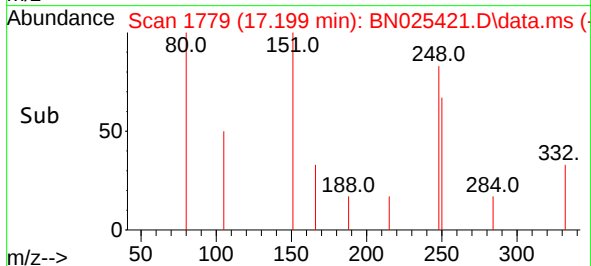
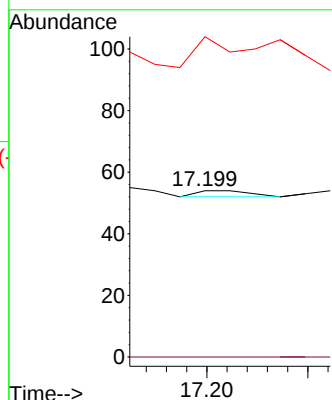
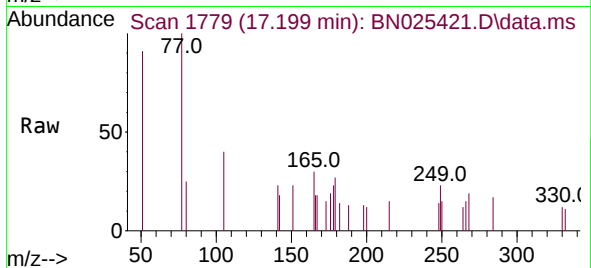
Tgt Ion:188 Resp: 4

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 192.6 9.4 14.2#



#20

4,6-Dinitro-2-methylphenol

Concen: 5.447 ng

RT: 15.645 min Scan# 1653

Delta R.T. -0.077 min

Lab File: BN025421.D

Acq: 12 May 2023 03:53

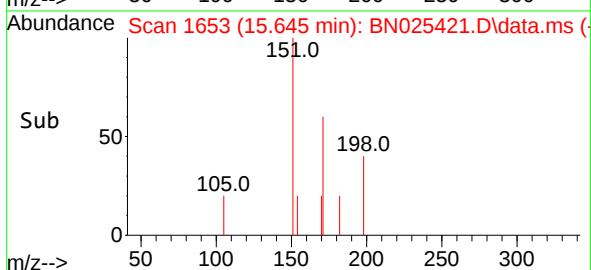
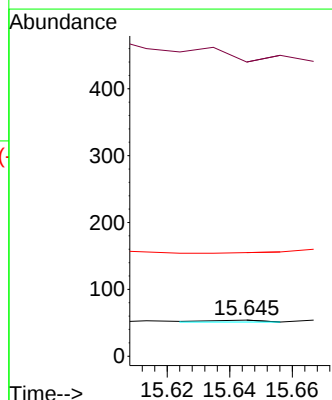
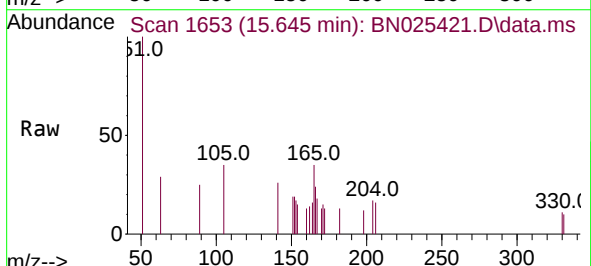
Tgt Ion:198 Resp: 3

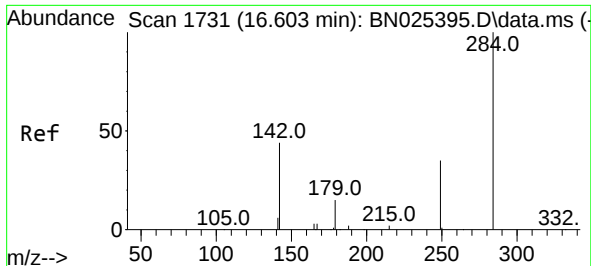
Ion Ratio Lower Upper

198 100

51 814.8 259.2 388.8#

105 287.0 112.6 168.8#

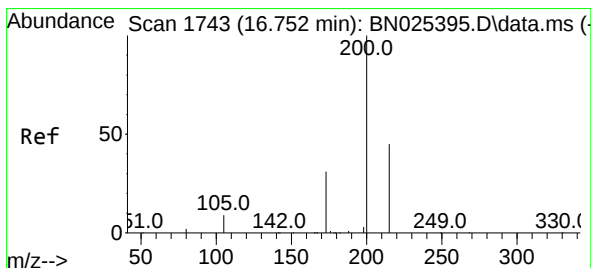
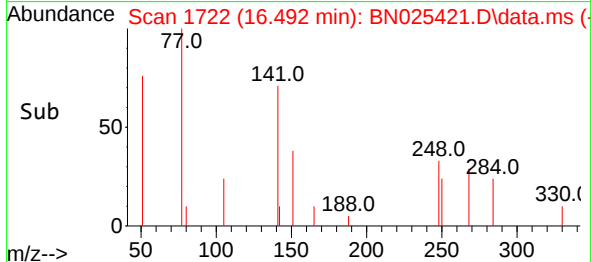
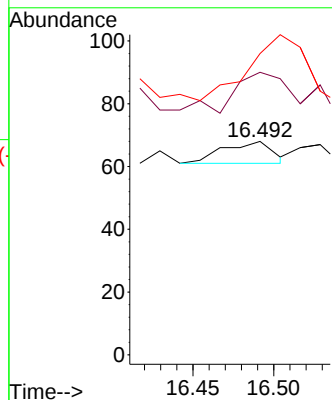
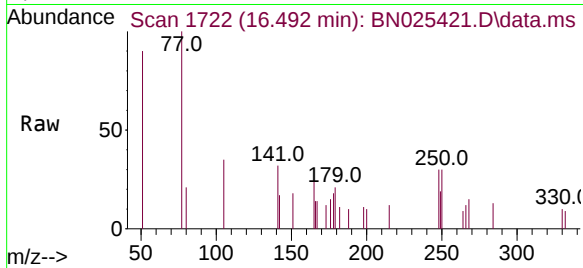




#22
Hexachlorobenzene
Concen: 6.025 ng
RT: 16.492 min Scan# 1731
Delta R.T. -0.112 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

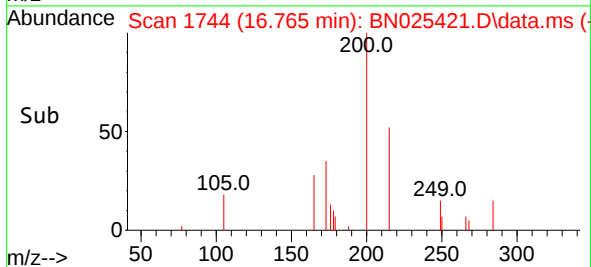
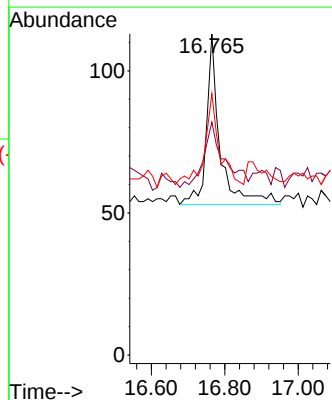
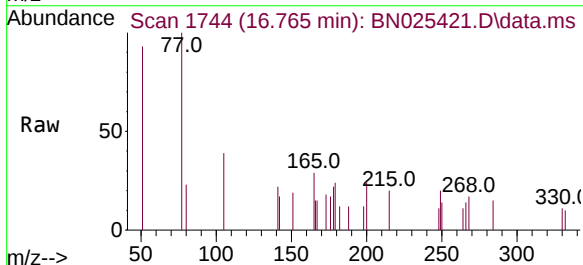
Instrument :
BNA_N
ClientSampleId :
FB-01_20230509

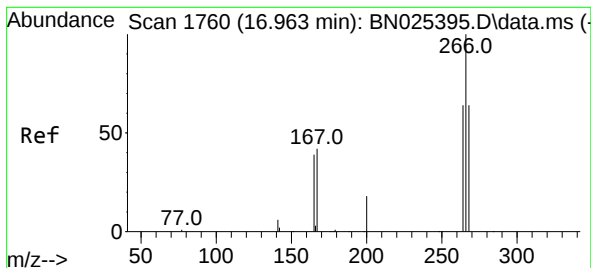
Tgt Ion:284 Resp: 15
Ion Ratio Lower Upper
284 100
142 220.0 29.7 44.5#
249 340.0 24.7 37.1#



#23
Atrazine
Concen: 83.596 ng
RT: 16.765 min Scan# 1744
Delta R.T. 0.012 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

Tgt Ion:200 Resp: 153
Ion Ratio Lower Upper
200 100
173 72.6 26.5 39.7#
215 81.4 37.0 55.4#





#24

Pentachlorophenol

Concen: 9.584 ng

RT: 16.827 min Scan# 1749

Delta R.T. -0.136 min

Lab File: BN025421.D

Acq: 12 May 2023 03:53

Instrument :

BNA_N

ClientSampleId :

FB-01_20230509

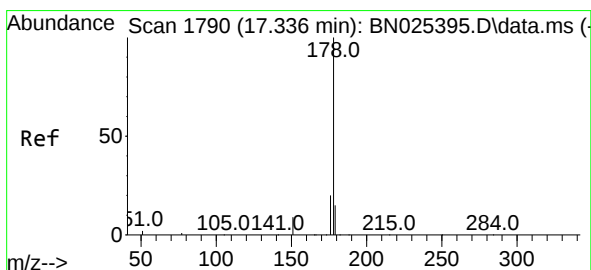
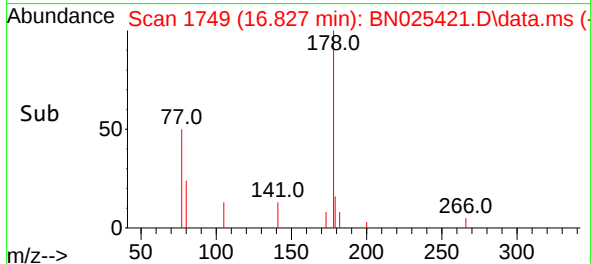
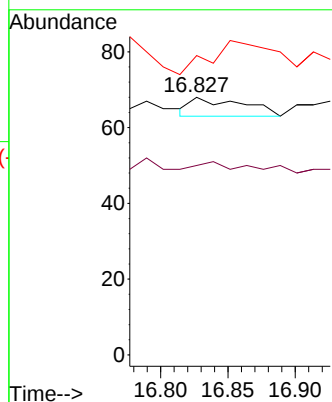
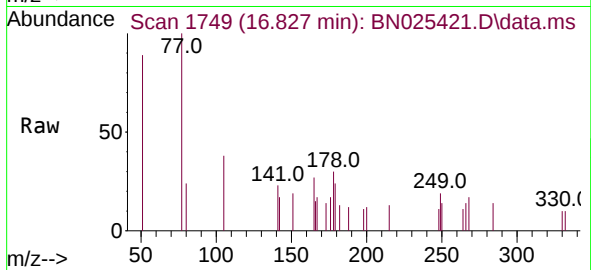
Tgt Ion:266 Resp: 13

Ion Ratio Lower Upper

266 100

264 0.0 50.1 75.1#

268 0.0 49.3 73.9#



#25

Phenanthrene

Concen: 113.327 ng

RT: 17.348 min Scan# 1791

Delta R.T. 0.012 min

Lab File: BN025421.D

Acq: 12 May 2023 03:53

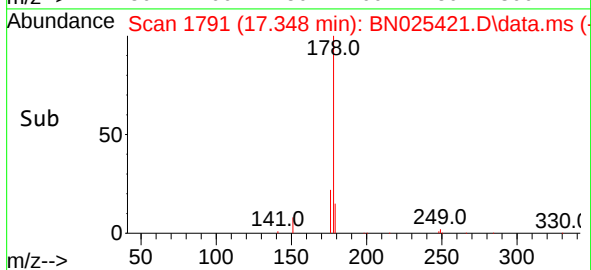
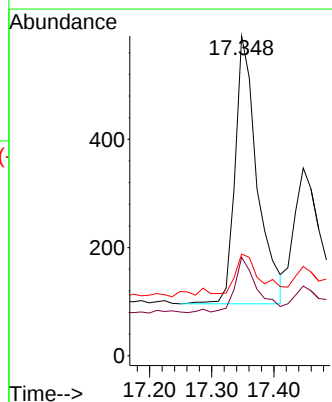
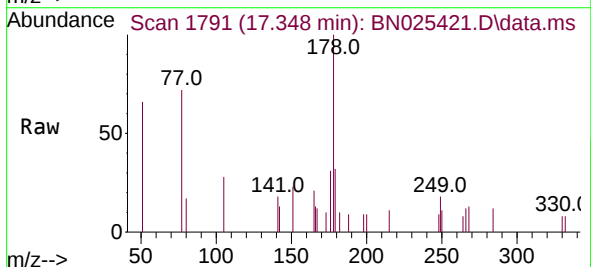
Tgt Ion:178 Resp: 1227

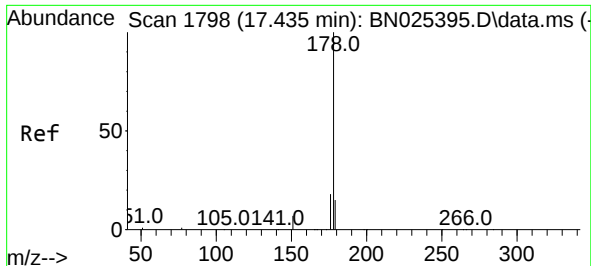
Ion Ratio Lower Upper

178 100

176 20.0 15.3 22.9

179 16.3 12.1 18.1

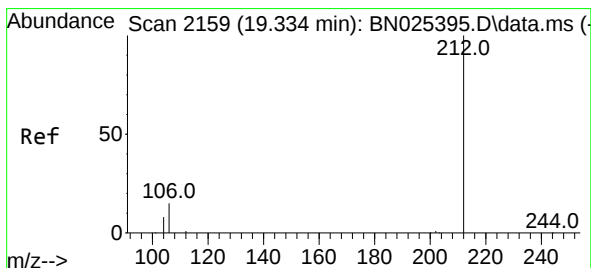
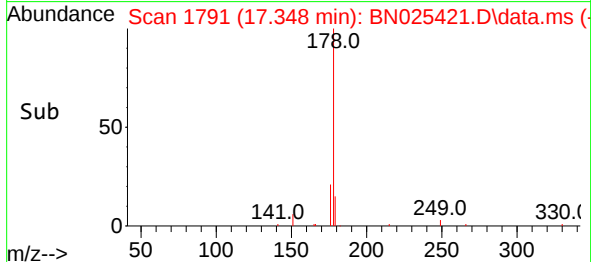
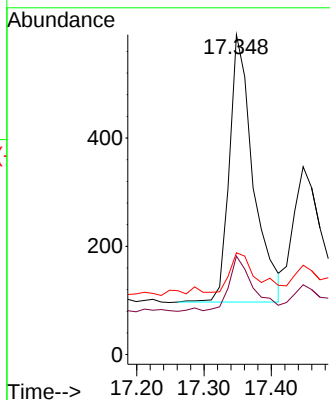
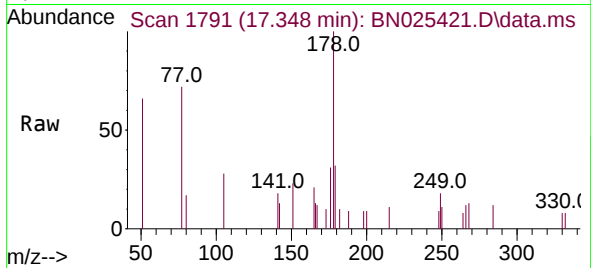




#26
 Anthracene
 Concen: 115.968 ng
 RT: 17.348 min Scan# 1791
 Delta R.T. -0.087 min
 Lab File: BN025421.D
 Acq: 12 May 2023 03:53

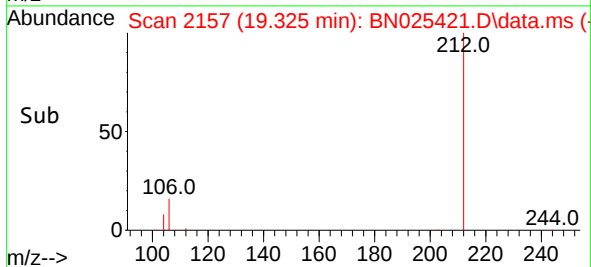
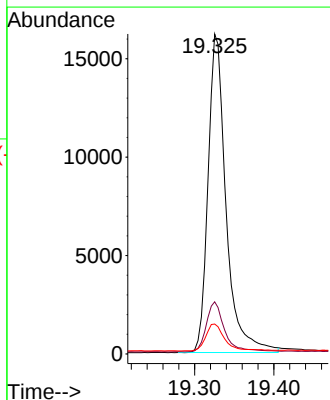
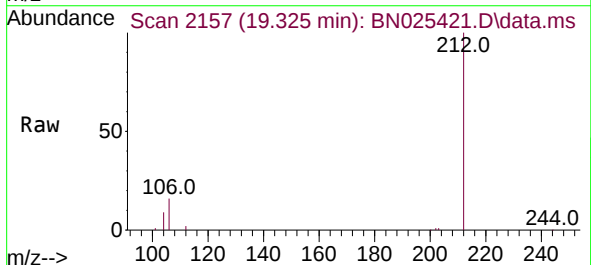
Instrument :
 BNA_N
 ClientSampleId :
 FB-01_20230509

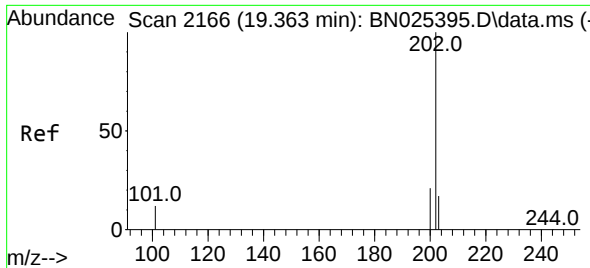
Tgt Ion:	178	Resp:	1218
Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.0	22.4
179	16.4	12.0	18.0



#27
 Fluoranthene-d10
 Concen: 2789.502 ng
 RT: 19.325 min Scan# 2157
 Delta R.T. -0.008 min
 Lab File: BN025421.D
 Acq: 12 May 2023 03:53

Tgt Ion:	212	Resp:	25538
Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.6	19.0
104	9.0	7.0	10.4

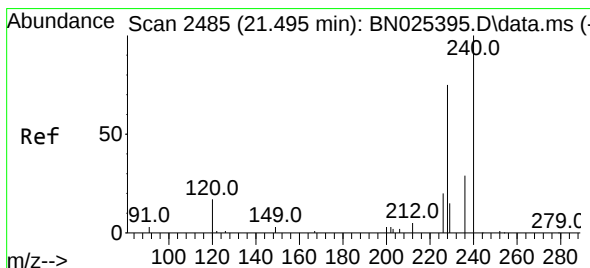
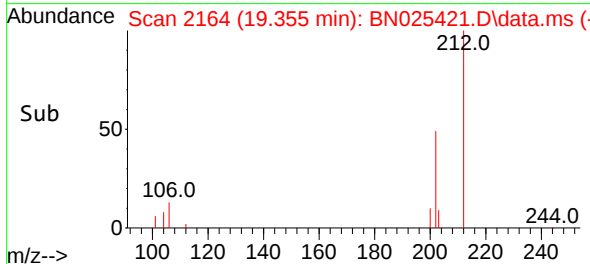
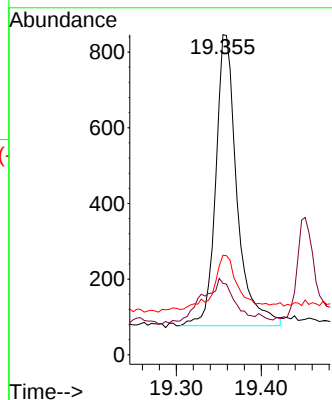
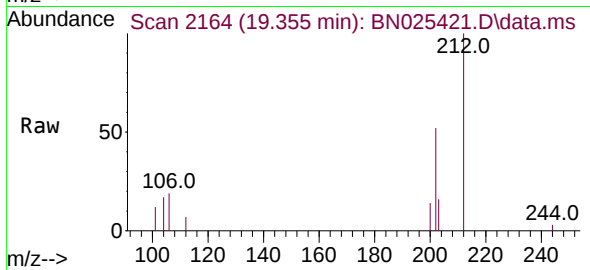




#28
Fluoranthene
Concen: 106.422 ng
RT: 19.355 min Scan# 2164
Delta R.T. -0.008 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

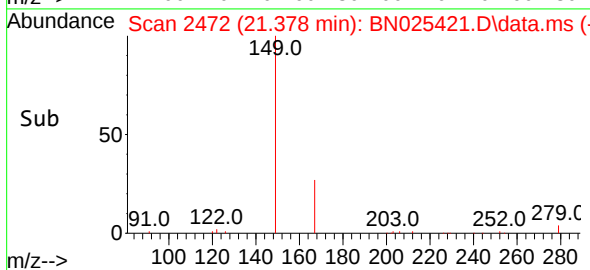
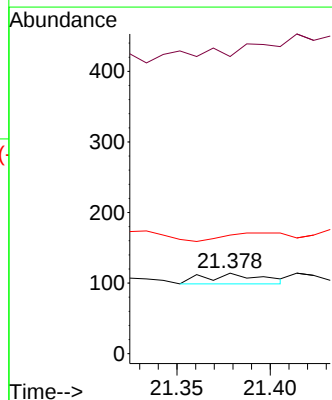
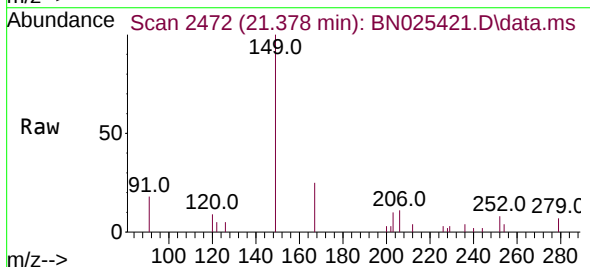
Instrument :
BNA_N
ClientSampleId :
FB-01_20230509

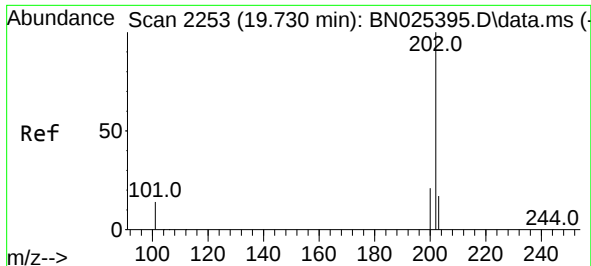
Tgt Ion:202 Resp: 1335
Ion Ratio Lower Upper
202 100
101 24.0 9.8 14.8#
203 21.9 13.8 20.6#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.378 min Scan# 2472
Delta R.T. -0.116 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

Tgt Ion:240 Resp: 31
Ion Ratio Lower Upper
240 100
120 369.3 19.0 28.6#
236 147.4 25.0 37.6#

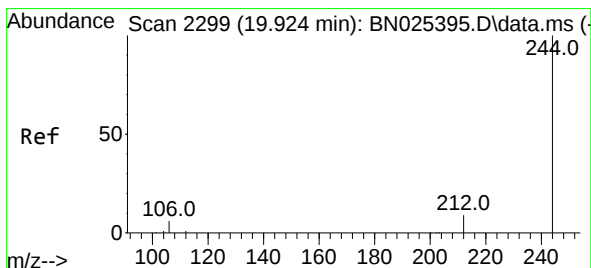
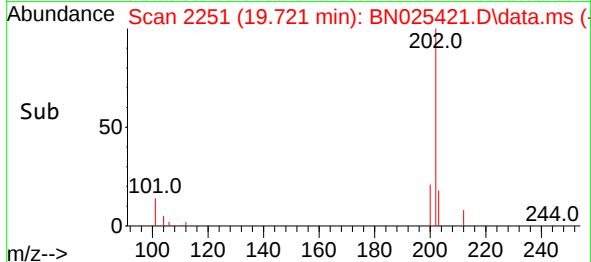
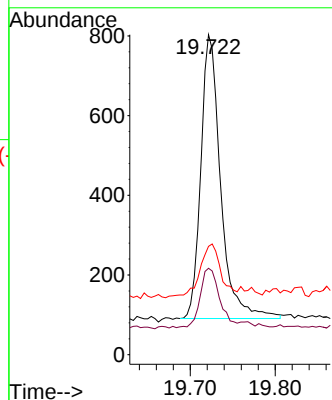
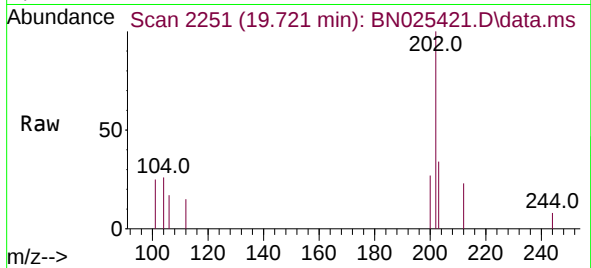




#30
Pyrene
Concen: 8.839 ng
RT: 19.721 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

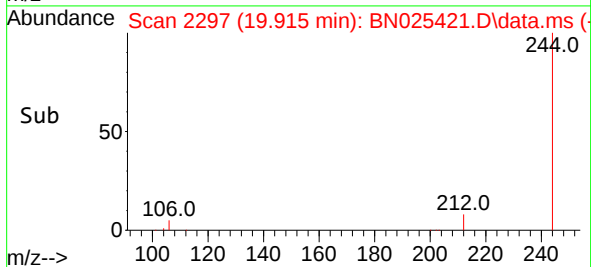
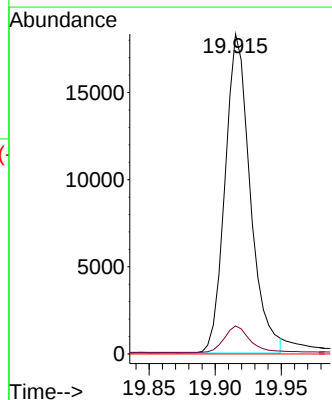
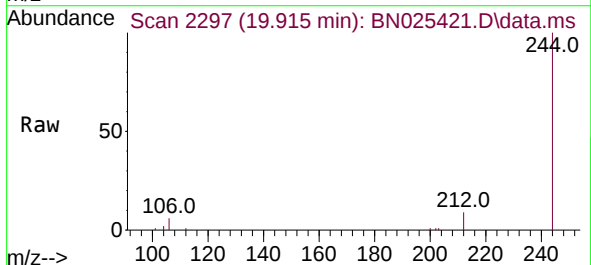
Instrument :
BNA_N
ClientSampleId :
FB-01_20230509

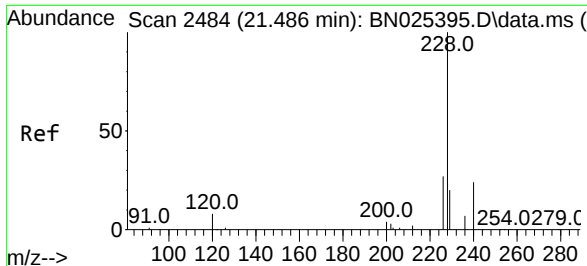
Tgt Ion:202 Resp: 1155
Ion Ratio Lower Upper
202 100
200 20.9 16.8 25.2
203 20.3 14.4 21.6



#31
Terphenyl-d14
Concen: 324.530 ng
RT: 19.915 min Scan# 2297
Delta R.T. -0.008 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

Tgt Ion:244 Resp: 24237
Ion Ratio Lower Upper
244 100
212 8.7 7.5 11.3
122 0.0 0.0 0.0

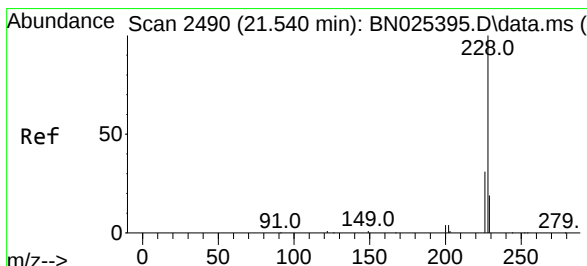
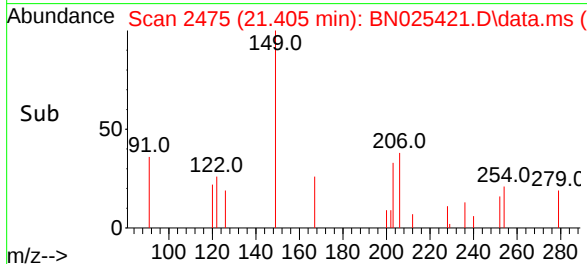
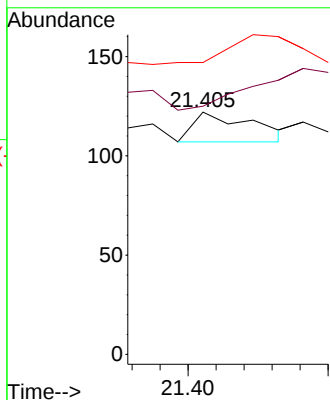
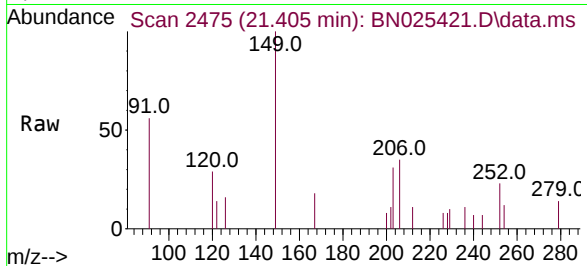




#32
Benzo(a)anthracene
Concen: 0.208 ng
RT: 21.405 min Scan# 2484
Delta R.T. -0.081 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

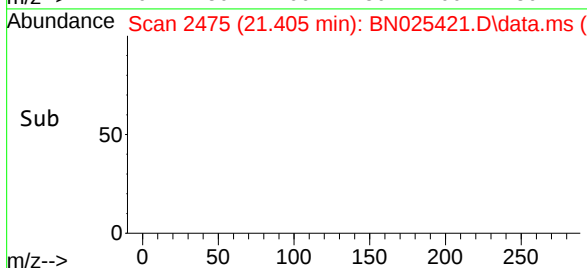
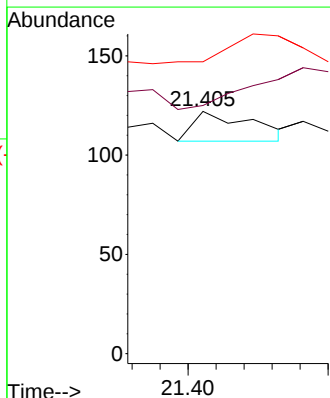
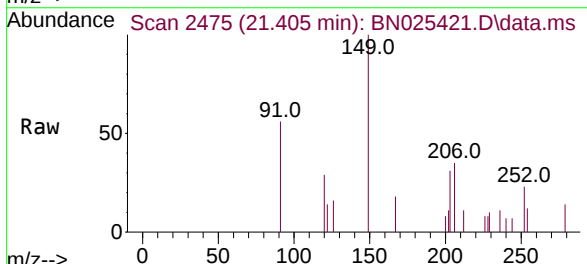
Instrument :
BNA_N
ClientSampleId :
FB-01_20230509

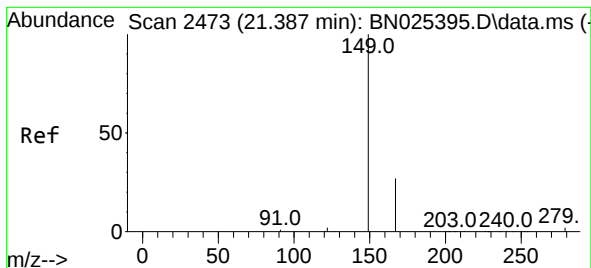
Tgt Ion:228 Resp: 22
Ion Ratio Lower Upper
228 100
226 102.5 23.2 34.8#
229 120.5 18.2 27.2#



#33
Chrysene
Concen: 0.214 ng
RT: 21.405 min Scan# 2475
Delta R.T. -0.134 min
Lab File: BN025421.D
Acq: 12 May 2023 03:53

Tgt Ion:228 Resp: 22
Ion Ratio Lower Upper
228 100
226 102.5 25.8 38.6#
229 120.5 17.9 26.9#

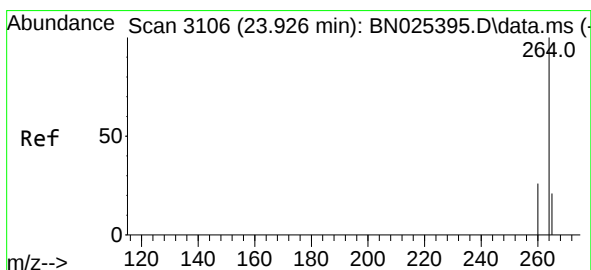
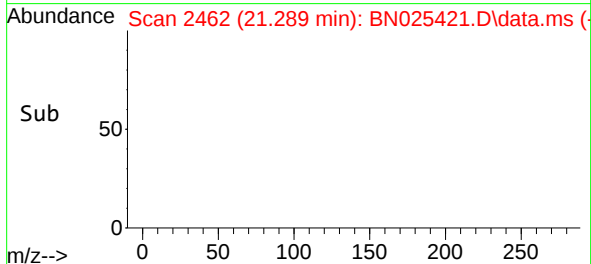
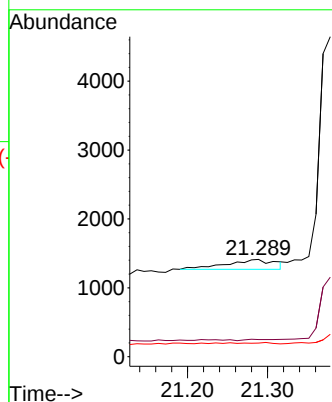
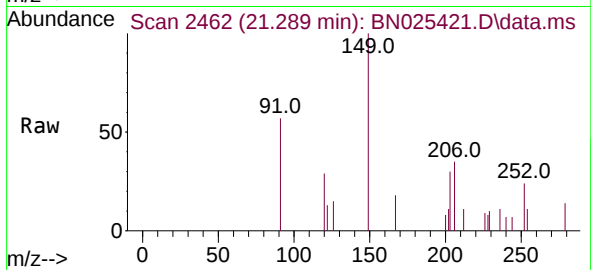




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 5.971 ng
 RT: 21.289 min Scan# 2473
 Delta R.T. -0.098 min
 Lab File: BN025421.D
 Acq: 12 May 2023 03:53

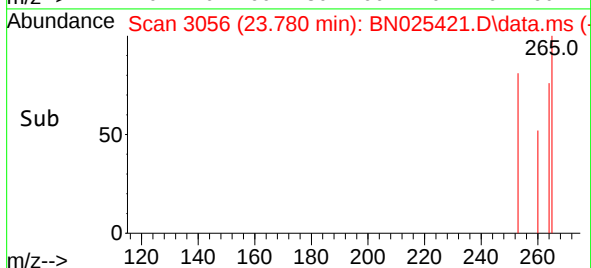
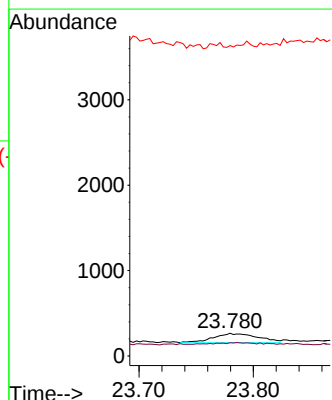
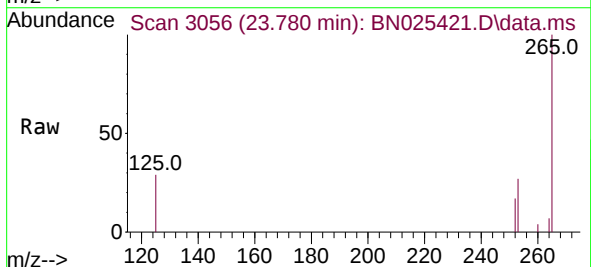
Instrument :
 BNA_N
 ClientSampleId :
 FB-01_20230509

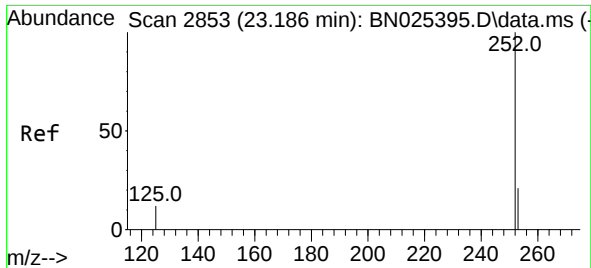
Tgt Ion:149 Resp: 608
 Ion Ratio Lower Upper
 149 100
 167 7.2 21.7 32.5#
 279 3.3 3.0 4.4



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.780 min Scan# 3056
 Delta R.T. -0.146 min
 Lab File: BN025421.D
 Acq: 12 May 2023 03:53

Tgt Ion:264 Resp: 295
 Ion Ratio Lower Upper
 264 100
 260 58.4 23.5 35.3#
 265 1361.4 50.9 76.3#





#37

Benzo(b)fluoranthene

Concen: 0.053 ng

RT: 23.028 min Scan# 21

Delta R.T. -0.158 min

Lab File: BN025421.D

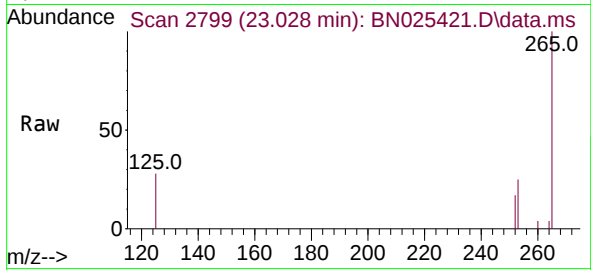
Acq: 12 May 2023 03:53

Instrument :

BNA_N

ClientSampleId :

FB-01_20230509



Tgt Ion:252 Resp: 51

Ion Ratio Lower Upper

252 100

253 148.0 23.4 35.0#

125 169.5 19.8 29.8#

