

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050224\
 Data File : BN031373.D
 Acq On : 02 May 2024 15:34
 Operator : MA/JU
 Sample : P2329-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-64-043024

Quant Time: May 02 16:08:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN041524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 02 15:02:22 2024
 Response via : Initial Calibration

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

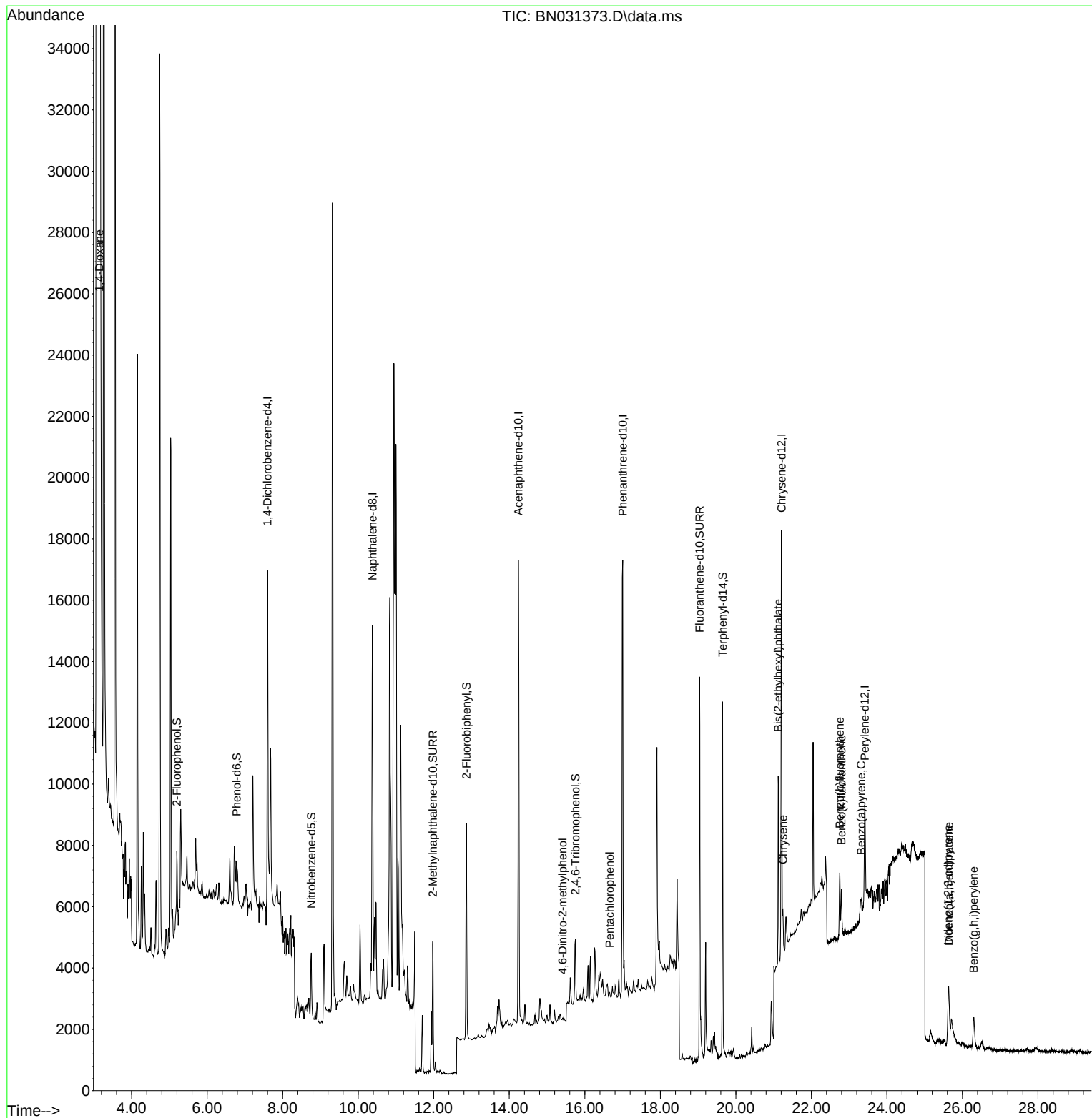
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.596	152	5359	0.400	ng	0.00
7) Naphthalene-d8	10.378	136	17006	0.400	ng	0.00
13) Acenaphthene-d10	14.242	164	8551	0.400	ng	0.00
19) Phenanthrene-d10	17.004	188	22231	0.400	ng	0.00
29) Chrysene-d12	21.211	240	13657	0.400	ng	# 0.00
35) Perylene-d12	23.414	264	3950	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.198	112	1696	0.142	ng	0.00
5) Phenol-d6	6.779	99	1300	0.090	ng	0.00
8) Nitrobenzene-d5	8.756	82	2028	0.172	ng	0.00
11) 2-Methylnaphthalene-d10	11.975	152	5717	0.218	ng	0.00
14) 2,4,6-Tribromophenol	15.750	330	1154	0.348	ng	0.00
15) 2-Fluorobiphenyl	12.863	172	6230	0.217	ng	0.00
27) Fluoranthene-d10	19.040	212	13514	0.226	ng	0.00
31) Terphenyl-d14	19.649	244	11318	0.357	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.147	88	20914	3.174	ng	# 79
20) 4,6-Dinitro-2-methylph...	15.407	198	42	0.114	ng	# 1
24) Pentachlorophenol	16.656	266	81	0.140	ng	# 63
33) Chrysene	21.247	228	1105	0.021	ng	# 82
34) Bis(2-ethylhexyl)phtha...	21.121	149	6238	0.286	ng	100
36) Indeno(1,2,3-cd)pyrene	25.624	276	2523	0.137	ng	94
37) Benzo(b)fluoranthene	22.750	252	2512	0.154	ng	# 14
38) Benzo(k)fluoranthene	22.794	252	2049	0.128	ng	# 8
39) Benzo(a)pyrene	23.317	252	711	0.052	ng	# 1
40) Dibenzo(a,h)anthracene	25.639	278	1866	0.127	ng	# 1
41) Benzo(g,h,i)perylene	26.300	276	2105	0.130	ng	# 54

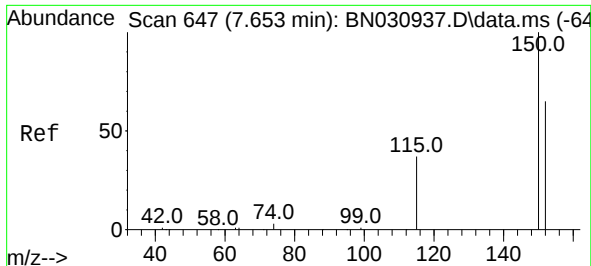
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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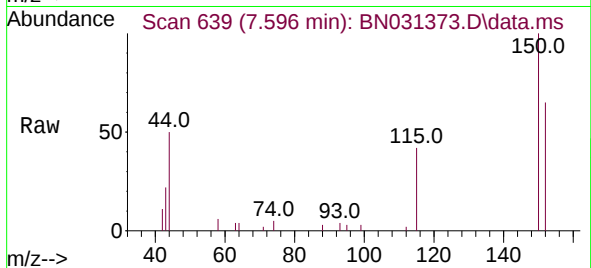
Quant Time: May 02 16:08:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN041524.M
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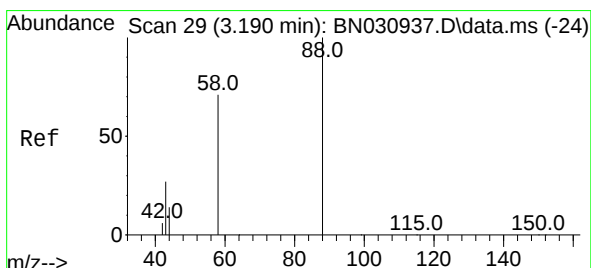
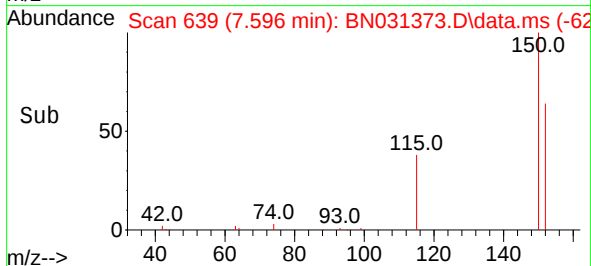
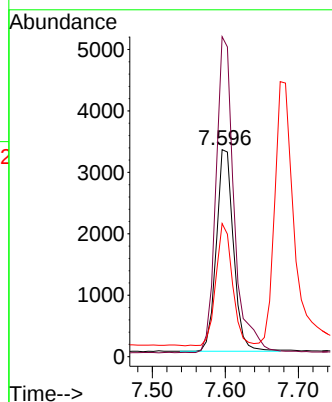


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.596 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN031373.D
Acq: 02 May 2024 15:34

Instrument :
BNA_N
ClientSampleId :
MW-18B-64-043024

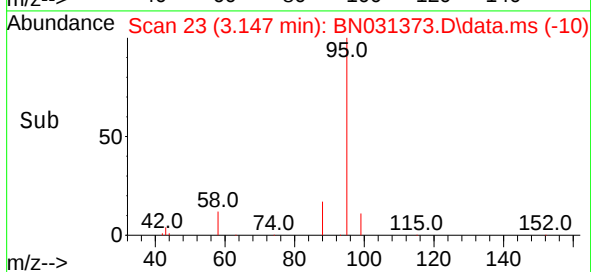
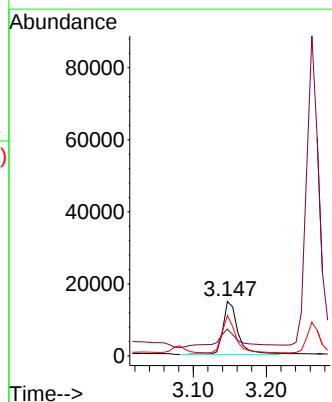
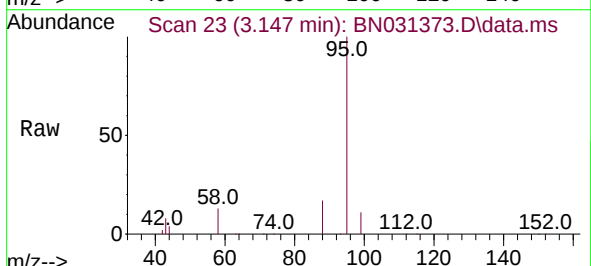


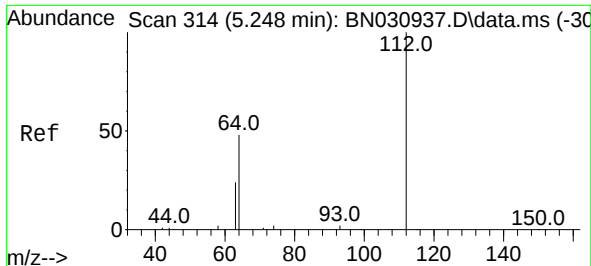
Tgt Ion:152 Resp: 5359
Ion Ratio Lower Upper
152 100
150 154.5 121.7 182.5
115 64.3 47.8 71.8



#2
1,4-Dioxane
Concen: 3.174 ng
RT: 3.147 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN031373.D
Acq: 02 May 2024 15:34

Tgt Ion: 88 Resp: 20914
Ion Ratio Lower Upper
88 100
43 56.5 23.7 35.5#
58 62.2 55.7 83.5

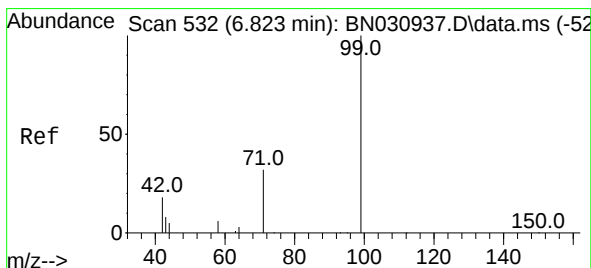
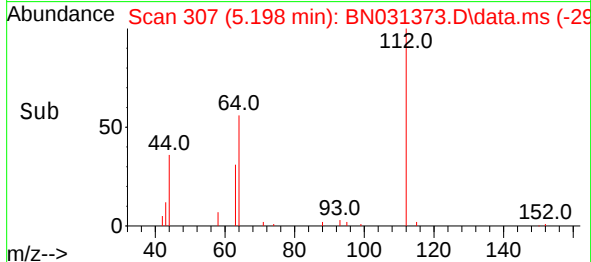
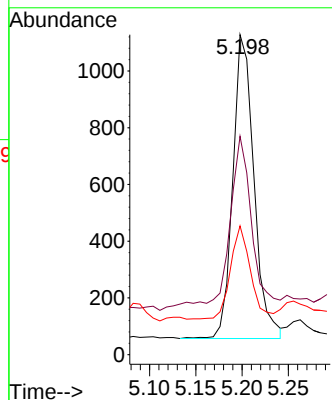
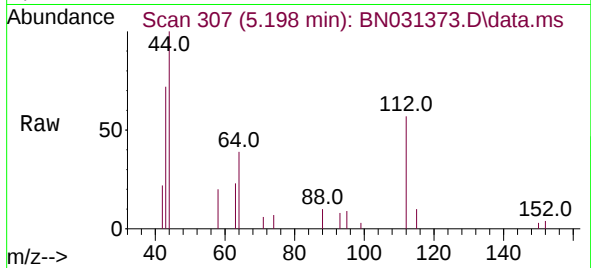




#4
2-Fluorophenol
Concen: 0.142 ng
RT: 5.198 min Scan# 307
Delta R.T. -0.007 min
Lab File: BN031373.D
Acq: 02 May 2024 15:34

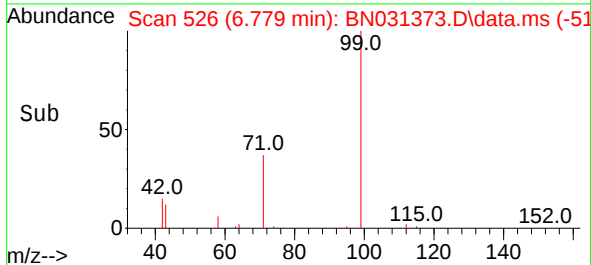
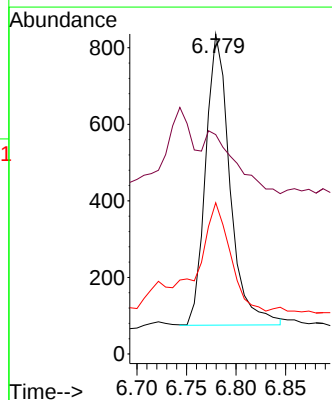
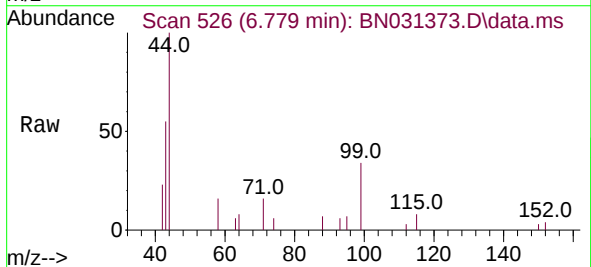
Instrument :
BNA_N
ClientSampleId :
MW-18B-64-043024

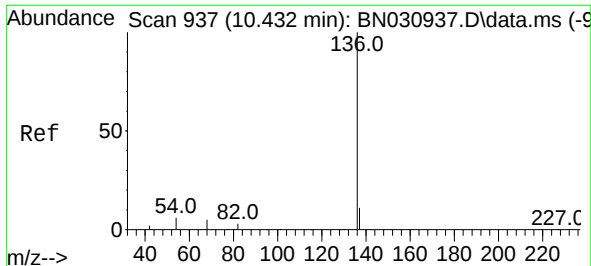
Tgt Ion:112 Resp: 1696
Ion Ratio Lower Upper
112 100
64 62.8 43.4 65.2
63 29.0 22.2 33.2



#5
Phenol-d6
Concen: 0.090 ng
RT: 6.779 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN031373.D
Acq: 02 May 2024 15:34

Tgt Ion: 99 Resp: 1300
Ion Ratio Lower Upper
99 100
42 25.6 16.4 24.6#
71 46.7 26.3 39.5#

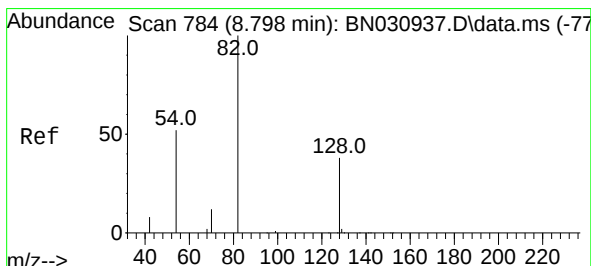
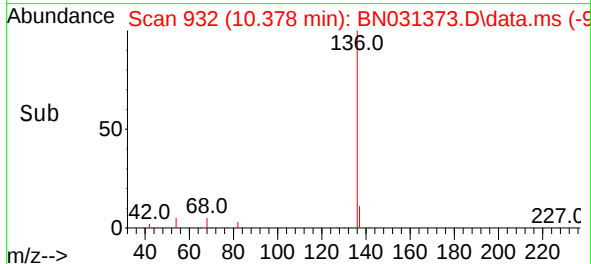
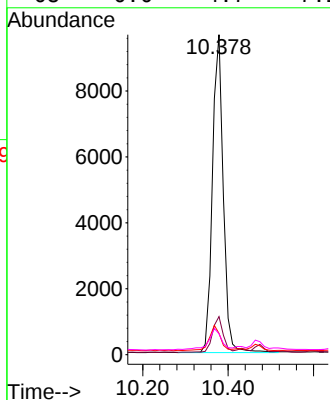
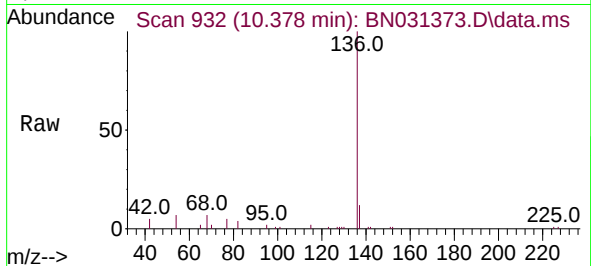




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.378 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN031373.D
Acq: 02 May 2024 15:34

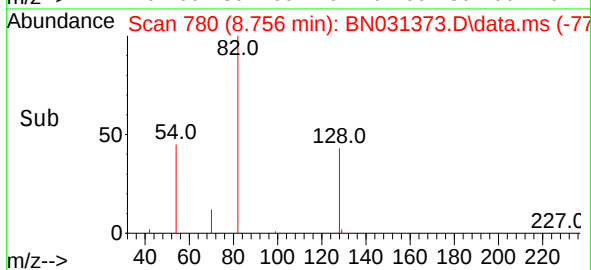
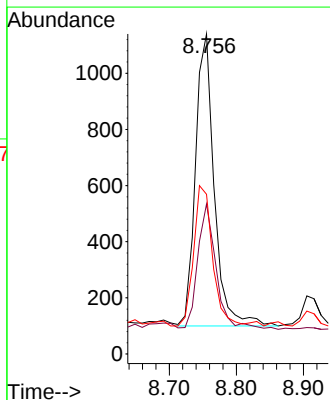
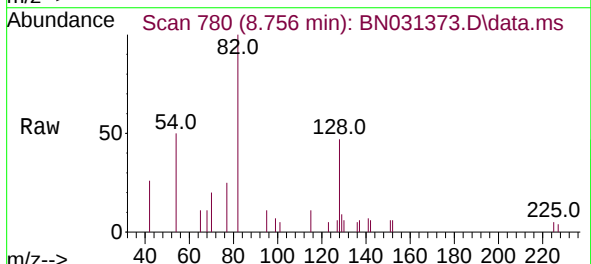
Instrument :
BNA_N
ClientSampleId :
MW-18B-64-043024

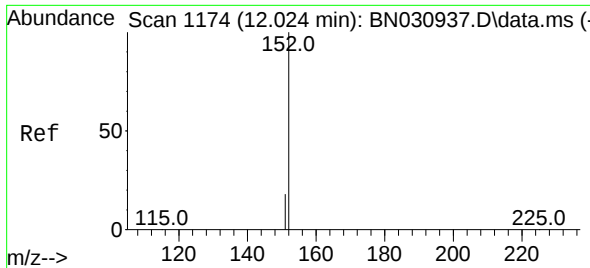
Tgt Ion:136	Resp:	17006
Ion	Ratio	Lower Upper
136	100	
137	11.9	9.4 14.0
54	6.6	5.3 7.9
68	6.6	4.7 7.1



#8
Nitrobenzene-d5
Concen: 0.172 ng
RT: 8.756 min Scan# 780
Delta R.T. 0.000 min
Lab File: BN031373.D
Acq: 02 May 2024 15:34

Tgt Ion: 82	Resp:	2028
Ion	Ratio	Lower Upper
82	100	
128	46.8	33.7 50.5
54	49.9	43.7 65.5





#11

2-Methylnaphthalene-d10

Concen: 0.218 ng

RT: 11.975 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BN031373.D

Acq: 02 May 2024 15:34

Instrument :

BNA_N

ClientSampleId :

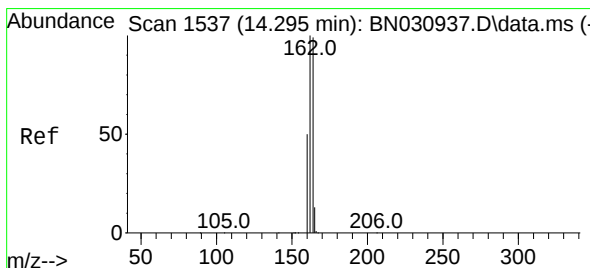
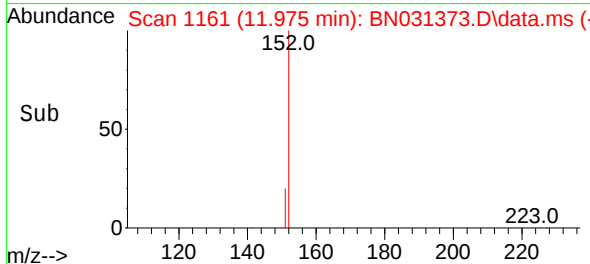
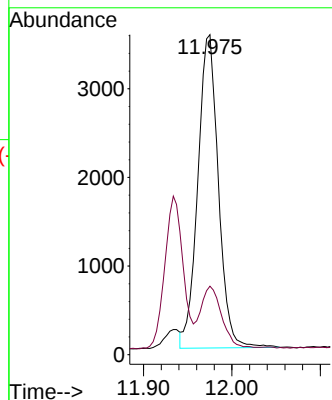
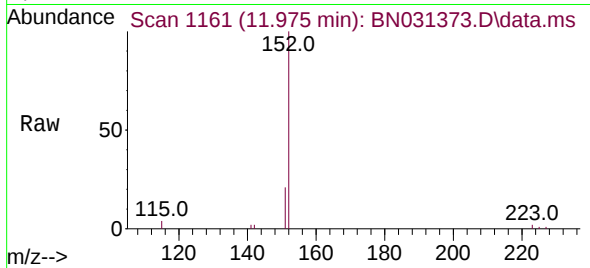
MW-18B-64-043024

Tgt Ion:152 Resp: 5717

Ion Ratio Lower Upper

152 100

151 19.9 16.7 25.1



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.242 min Scan# 1481

Delta R.T. 0.000 min

Lab File: BN031373.D

Acq: 02 May 2024 15:34

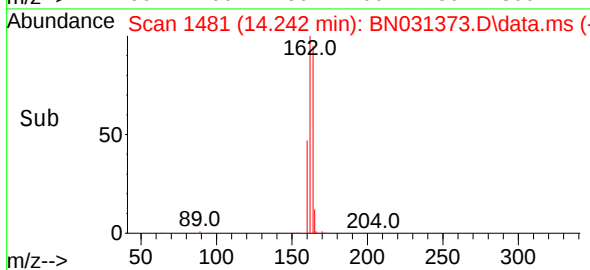
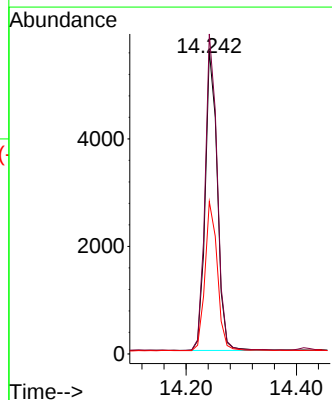
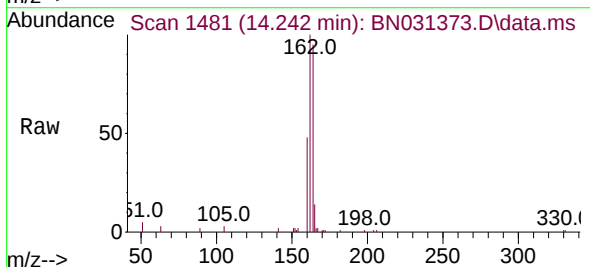
Tgt Ion:164 Resp: 8551

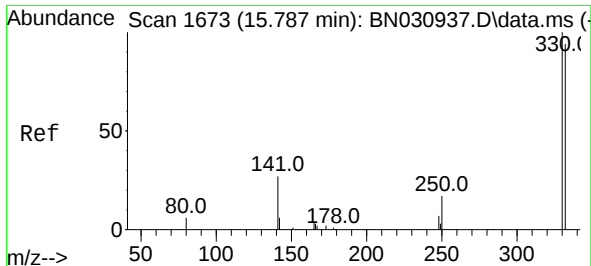
Ion Ratio Lower Upper

164 100

162 105.6 80.6 121.0

160 50.2 40.7 61.1

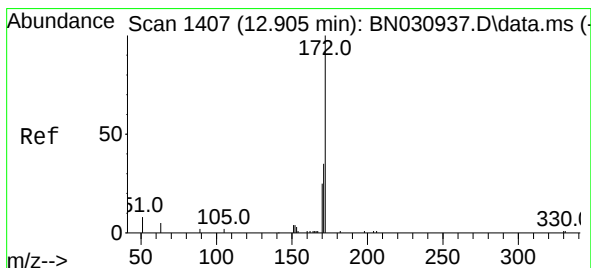
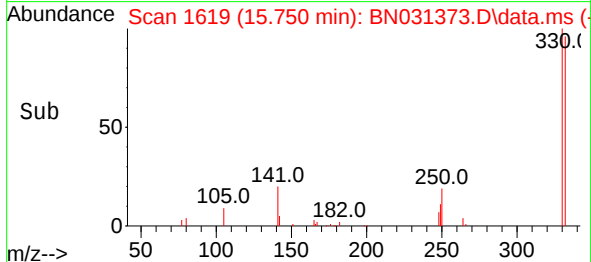
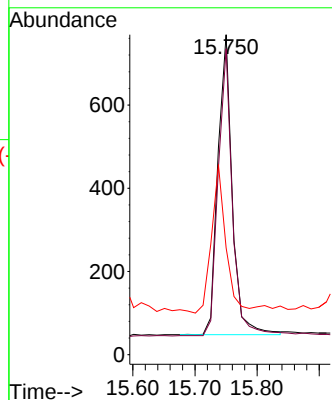
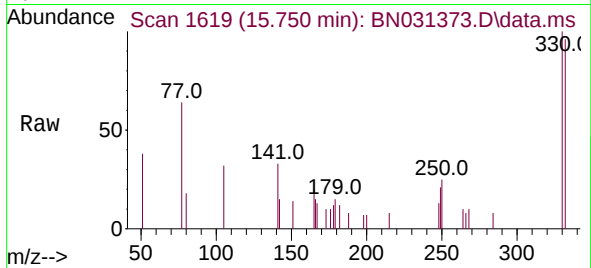




#14
2,4,6-Tribromophenol
Concen: 0.348 ng
RT: 15.750 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BN031373.D
Acq: 02 May 2024 15:34

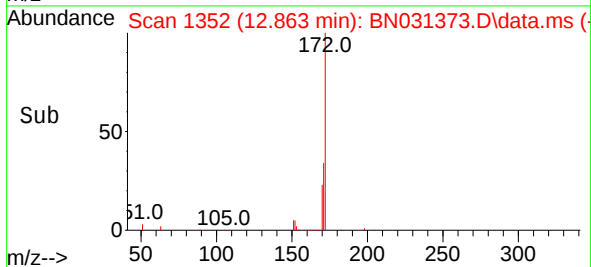
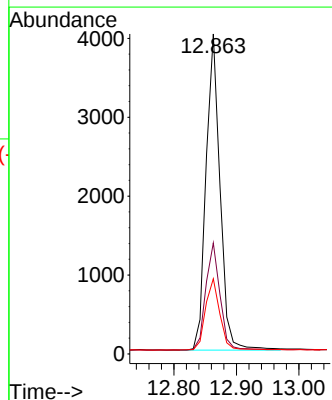
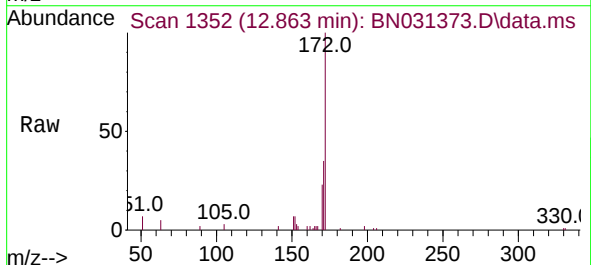
Instrument :
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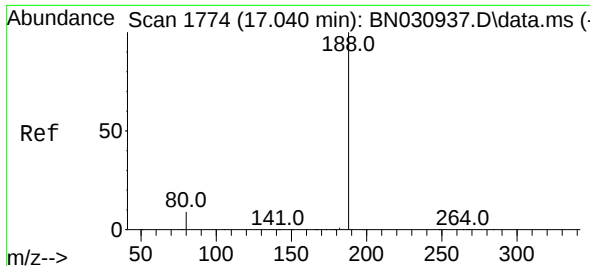
Tgt Ion:330 Resp: 1154
Ion Ratio Lower Upper
330 100
332 94.5 74.2 111.2
141 49.4 37.2 55.8



#15
2-Fluorobiphenyl
Concen: 0.217 ng
RT: 12.863 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BN031373.D
Acq: 02 May 2024 15:34

Tgt Ion:172 Resp: 6230
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.5 19.8 29.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.004 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN031373.D

Acq: 02 May 2024 15:34

Instrument :

BNA_N

ClientSampleId :

MW-18B-64-043024

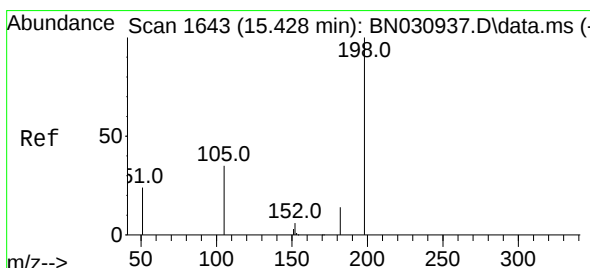
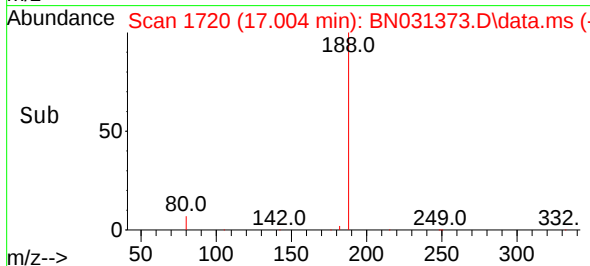
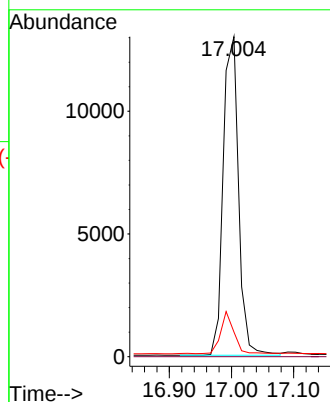
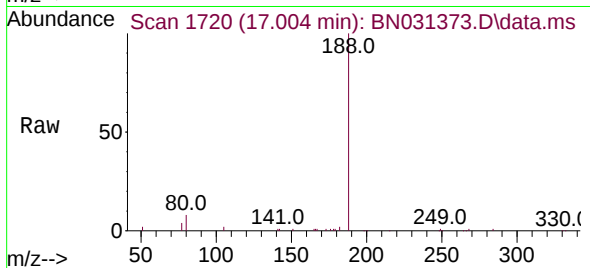
Tgt Ion:188 Resp: 22231

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.7 7.4 11.2



#20

4,6-Dinitro-2-methylphenol

Concen: 0.114 ng

RT: 15.407 min Scan# 1590

Delta R.T. 0.011 min

Lab File: BN031373.D

Acq: 02 May 2024 15:34

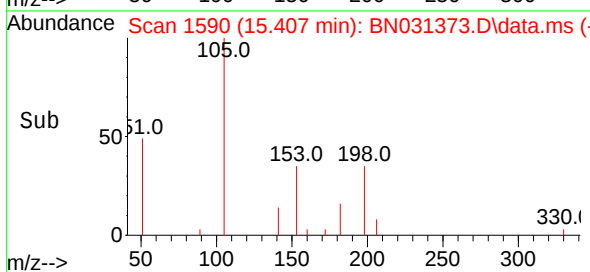
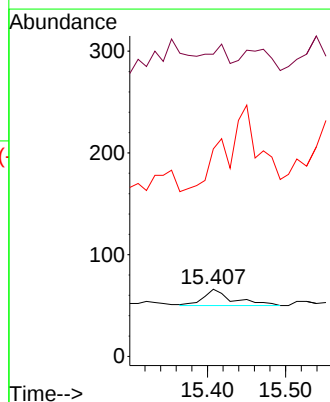
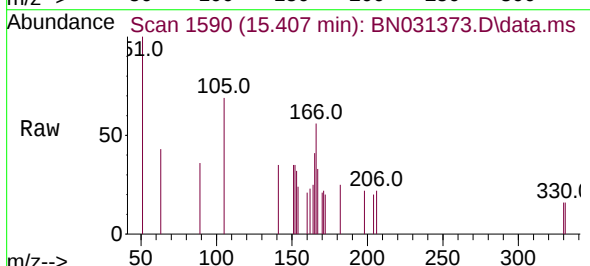
Tgt Ion:198 Resp: 42

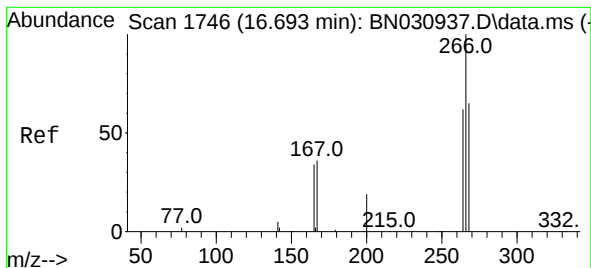
Ion Ratio Lower Upper

198 100

51 450.0 65.2 97.8#

105 309.1 41.0 61.4#





#24

Pentachlorophenol

Concen: 0.140 ng

RT: 16.656 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN031373.D

Acq: 02 May 2024 15:34

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MW-18B-64-043024

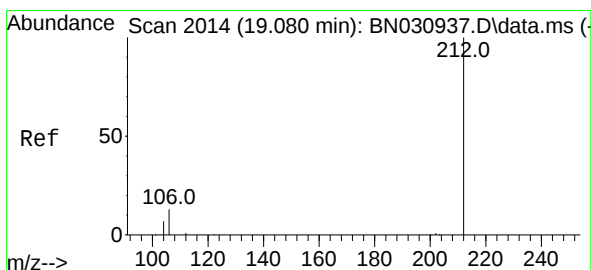
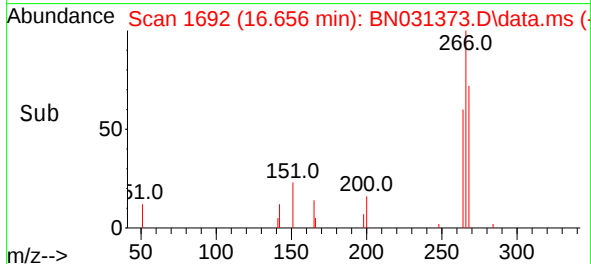
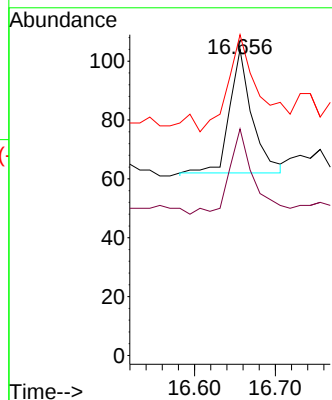
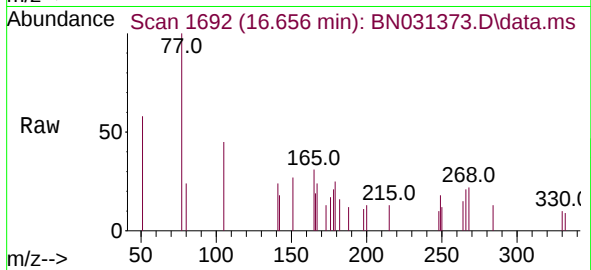
Tgt Ion:266 Resp: 81

Ion Ratio Lower Upper

266 100

264 75.3 50.2 75.2#

268 109.9 52.3 78.5#



#27

Fluoranthene-d10

Concen: 0.226 ng

RT: 19.040 min Scan# 1956

Delta R.T. 0.005 min

Lab File: BN031373.D

Acq: 02 May 2024 15:34

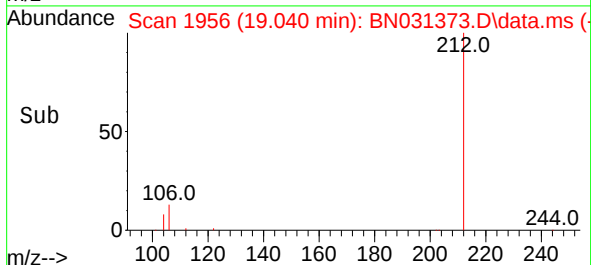
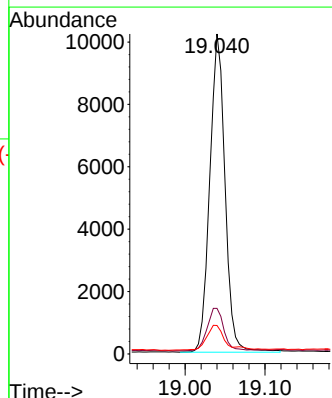
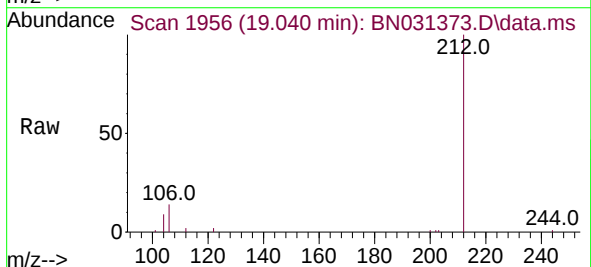
Tgt Ion:212 Resp: 13514

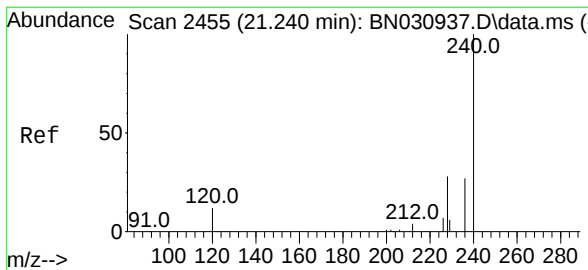
Ion Ratio Lower Upper

212 100

106 14.8 12.0 18.0

104 9.8 6.7 10.1





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.211 min Scan# 2402

Delta R.T. 0.009 min

Lab File: BN031373.D

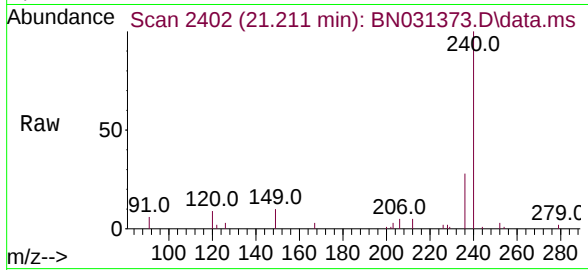
Acq: 02 May 2024 15:34

Instrument :

BNA_N

ClientSampleId :

MW-18B-64-043024



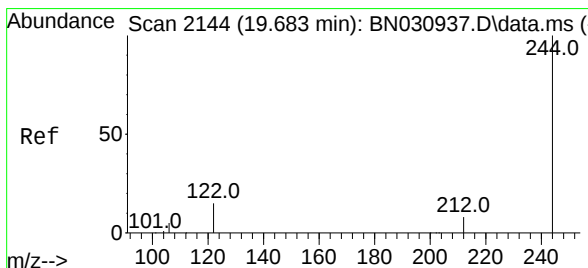
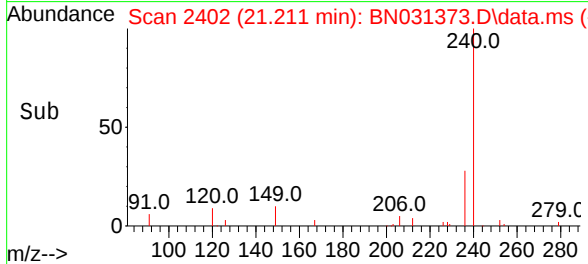
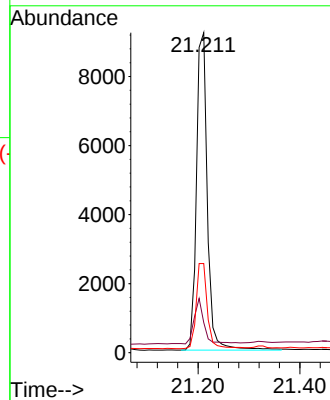
Tgt Ion:240 Resp: 13657

Ion Ratio Lower Upper

240 100

120 9.4 11.0 16.4#

236 27.9 22.3 33.5



#31

Terphenyl-d14

Concen: 0.357 ng

RT: 19.649 min Scan# 2087

Delta R.T. 0.005 min

Lab File: BN031373.D

Acq: 02 May 2024 15:34

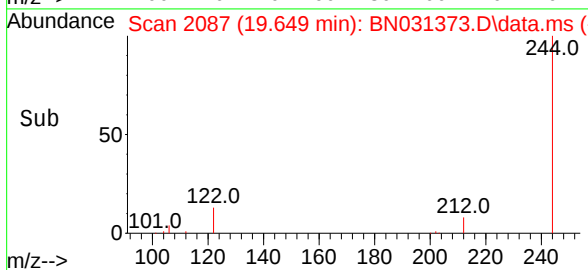
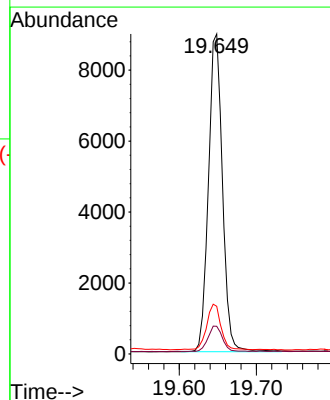
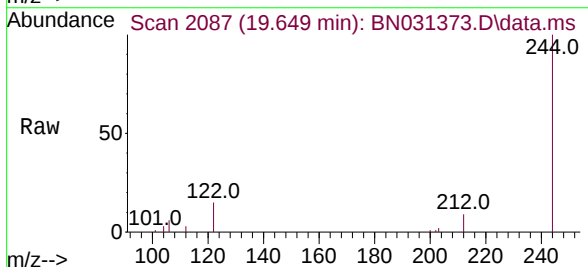
Tgt Ion:244 Resp: 11318

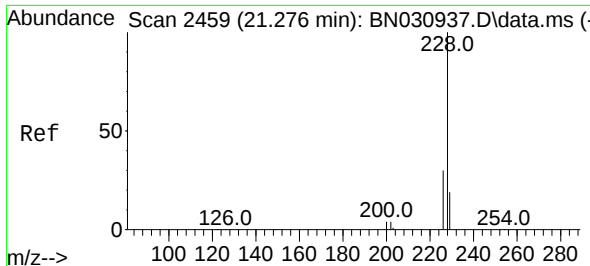
Ion Ratio Lower Upper

244 100

212 8.7 7.2 10.8

122 14.9 12.7 19.1





#33

Chrysene

Concen: 0.021 ng

RT: 21.247 min Scan# 2459

Delta R.T. 0.009 min

Lab File: BN031373.D

Acq: 02 May 2024 15:34

Instrument :

BNA_N

ClientSampleId :

MW-18B-64-043024

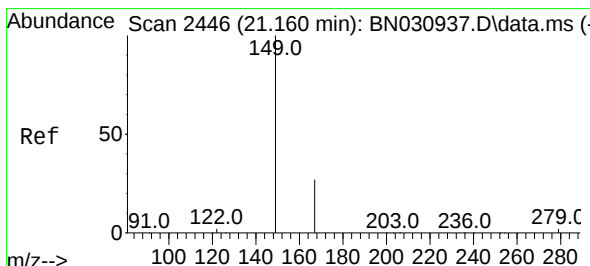
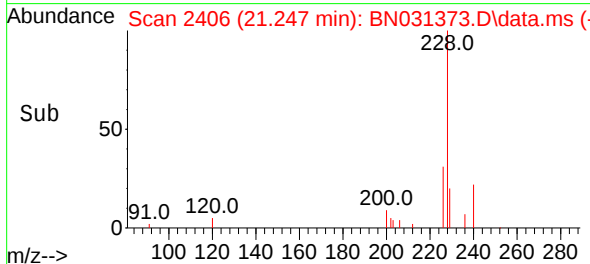
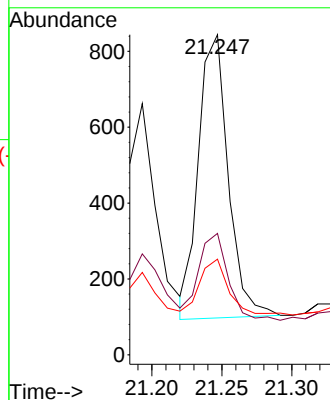
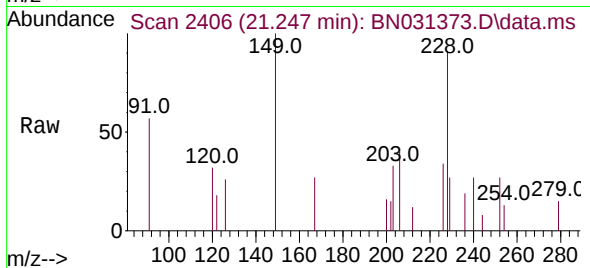
Tgt Ion:228 Resp: 1105

Ion Ratio Lower Upper

228 100

226 37.9 23.9 35.9#

229 29.9 15.8 23.6#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.286 ng

RT: 21.121 min Scan# 2392

Delta R.T. 0.000 min

Lab File: BN031373.D

Acq: 02 May 2024 15:34

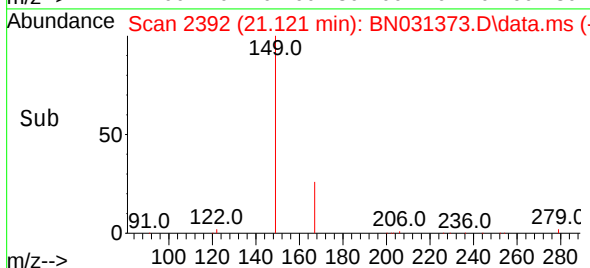
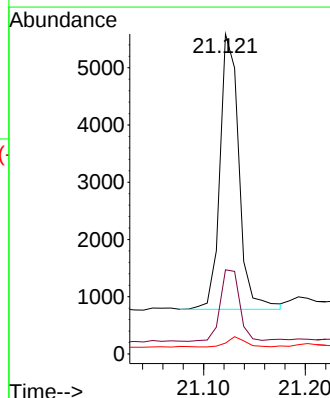
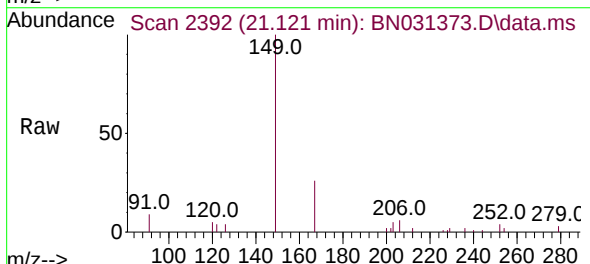
Tgt Ion:149 Resp: 6238

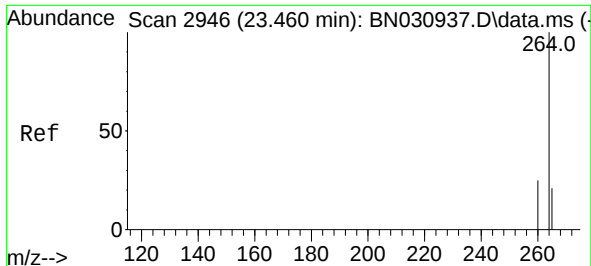
Ion Ratio Lower Upper

149 100

167 26.4 21.0 31.4

279 3.4 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.414 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN031373.D

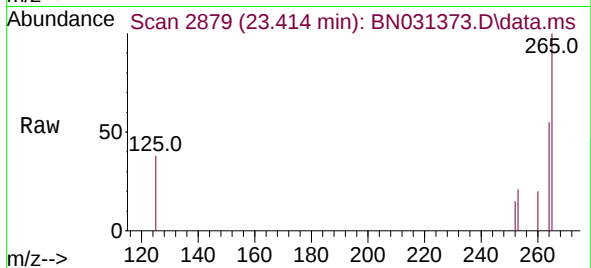
Acq: 02 May 2024 15:34

Instrument :

BNA_N

ClientSampleId :

MW-18B-64-043024



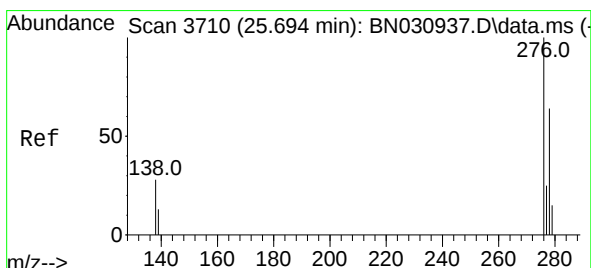
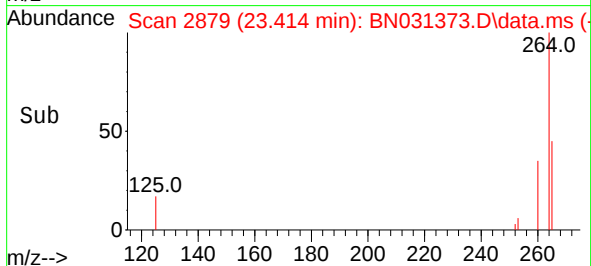
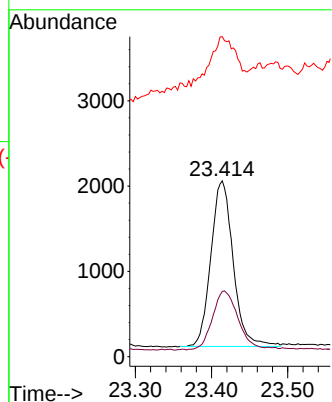
Tgt Ion:264 Resp: 3950

Ion Ratio Lower Upper

264 100

260 37.2 20.6 31.0#

265 182.0 53.3 79.9#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.137 ng

RT: 25.624 min Scan# 3635

Delta R.T. 0.006 min

Lab File: BN031373.D

Acq: 02 May 2024 15:34

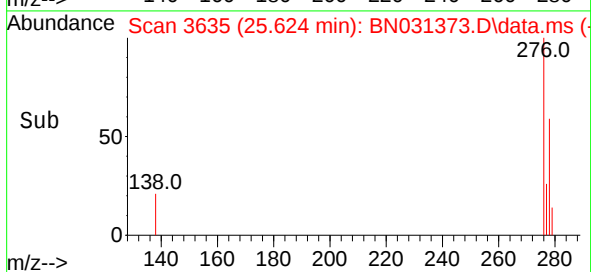
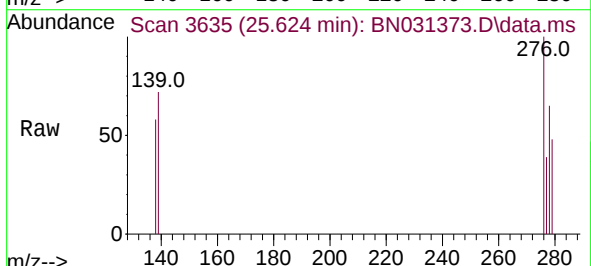
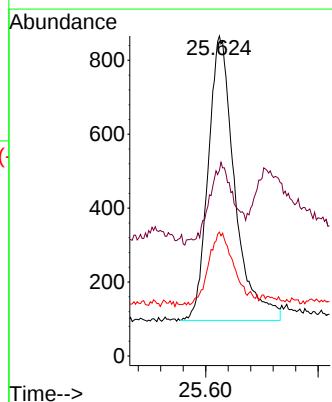
Tgt Ion:276 Resp: 2523

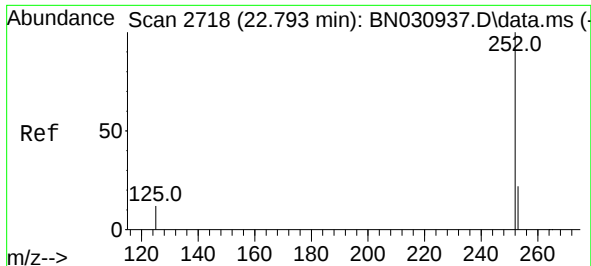
Ion Ratio Lower Upper

276 100

138 23.8 23.1 34.7

277 23.5 19.9 29.9





#37

Benzo(b)fluoranthene

Concen: 0.154 ng

RT: 22.750 min Scan# 2

Delta R.T. 0.003 min

Lab File: BN031373.D

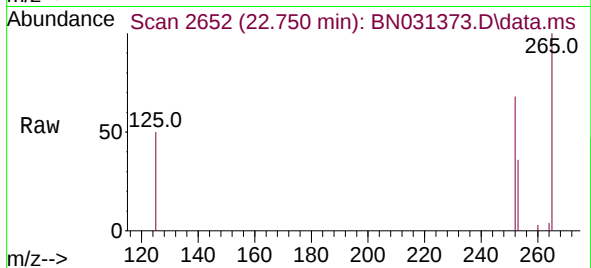
Acq: 02 May 2024 15:34

Instrument :

BNA_N

ClientSampleId :

MW-18B-64-043024



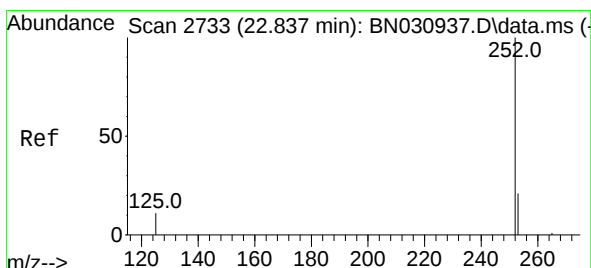
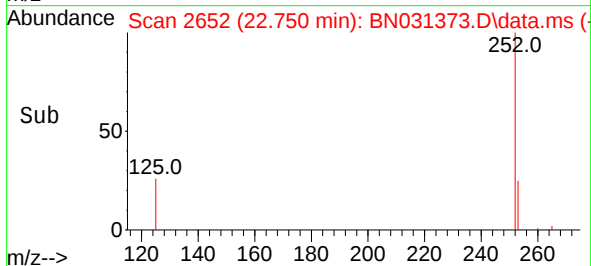
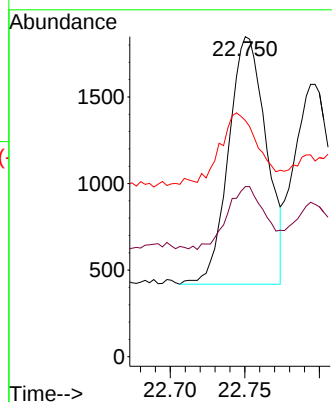
Tgt Ion:252 Resp: 2512

Ion Ratio Lower Upper

252 100

253 53.1 20.2 30.2#

125 73.8 13.4 20.2#



#38

Benzo(k)fluoranthene

Concen: 0.128 ng

RT: 22.794 min Scan# 2667

Delta R.T. 0.003 min

Lab File: BN031373.D

Acq: 02 May 2024 15:34

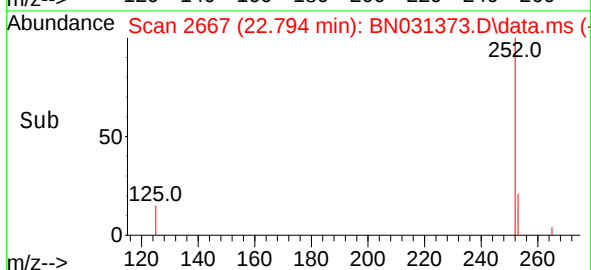
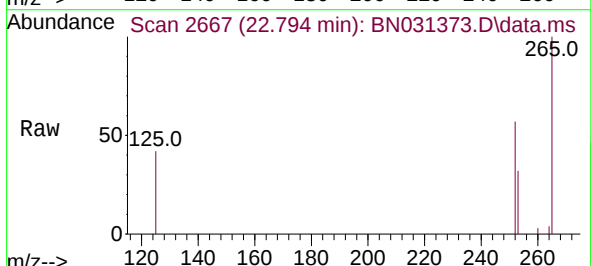
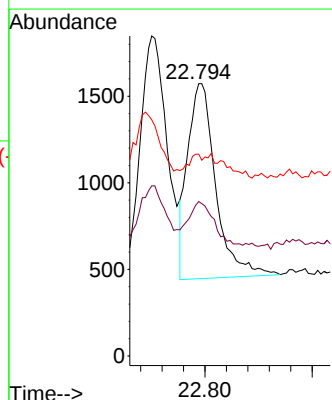
Tgt Ion:252 Resp: 2049

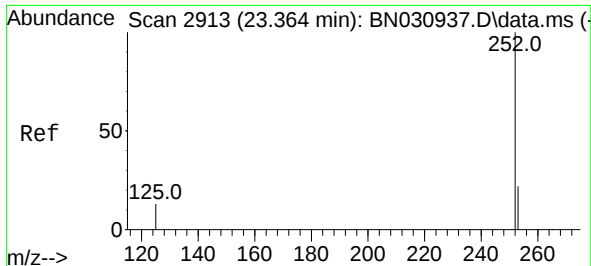
Ion Ratio Lower Upper

252 100

253 56.7 19.9 29.9#

125 74.1 13.2 19.8#





#39

Benzo(a)pyrene

Concen: 0.052 ng

RT: 23.317 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN031373.D

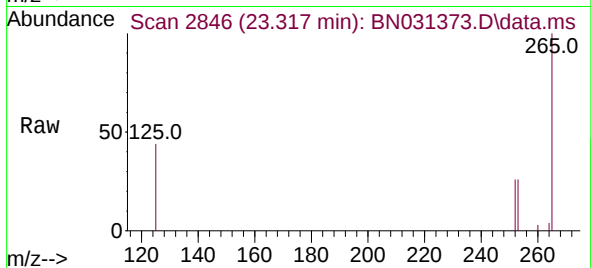
Acq: 02 May 2024 15:34

Instrument :

BNA_N

ClientSampleId :

MW-18B-64-043024



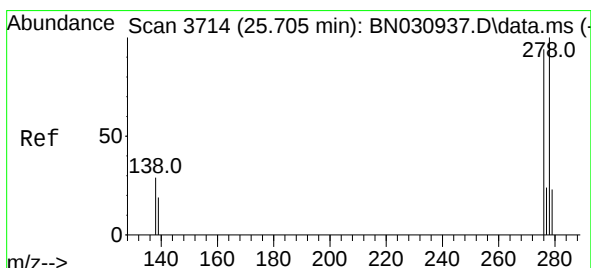
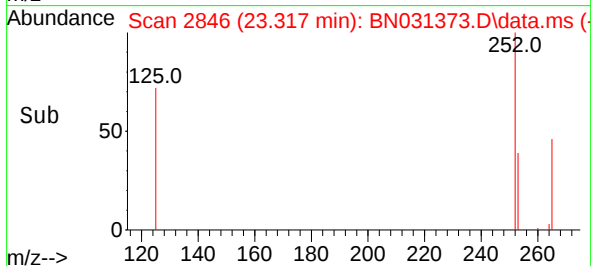
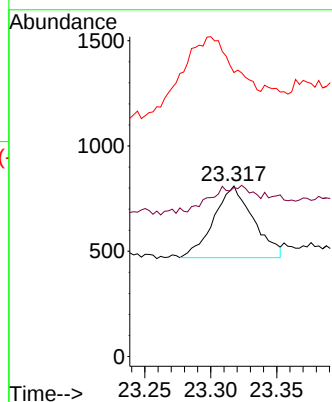
Tgt Ion:252 Resp: 711

Ion Ratio Lower Upper

252 100

253 99.1 21.4 32.2#

125 166.5 16.6 25.0#



#40

Dibenzo(a,h)anthracene

Concen: 0.127 ng

RT: 25.639 min Scan# 3640

Delta R.T. 0.006 min

Lab File: BN031373.D

Acq: 02 May 2024 15:34

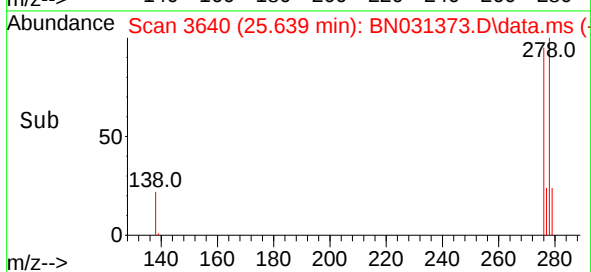
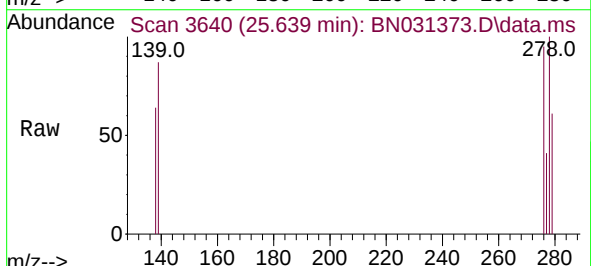
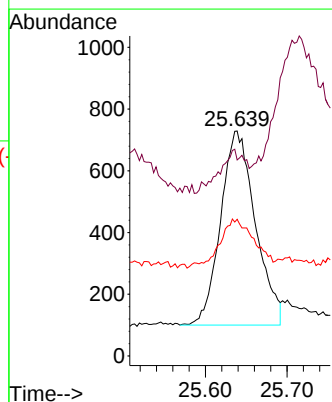
Tgt Ion:278 Resp: 1866

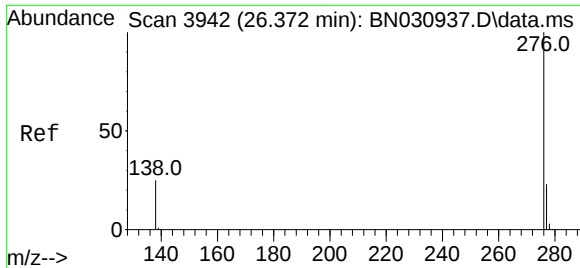
Ion Ratio Lower Upper

278 100

139 87.1 16.3 24.5#

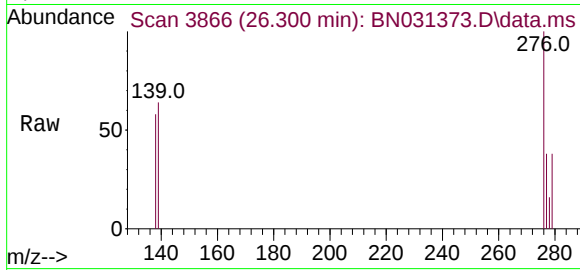
279 60.8 20.6 31.0#





#41
Benzo(g,h,i)perylene
Concen: 0.130 ng
RT: 26.300 min Scan# 31
Delta R.T. 0.006 min
Lab File: BN031373.D
Acq: 02 May 2024 15:34

Instrument :
BNA_N
ClientSampleId :
MW-18B-64-043024



Tgt Ion:276 Resp: 2105
Ion Ratio Lower Upper
276 100
277 38.3 19.4 29.2#
138 58.3 21.0 31.4#

