

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017640.D
 Acq On : 01 Dec 2021 08:34
 Operator : CG/JU
 Sample : M4862-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-6B

Quant Time: Dec 01 09:52:23 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 30 18:26:44 2021
 Response via : Initial Calibration

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

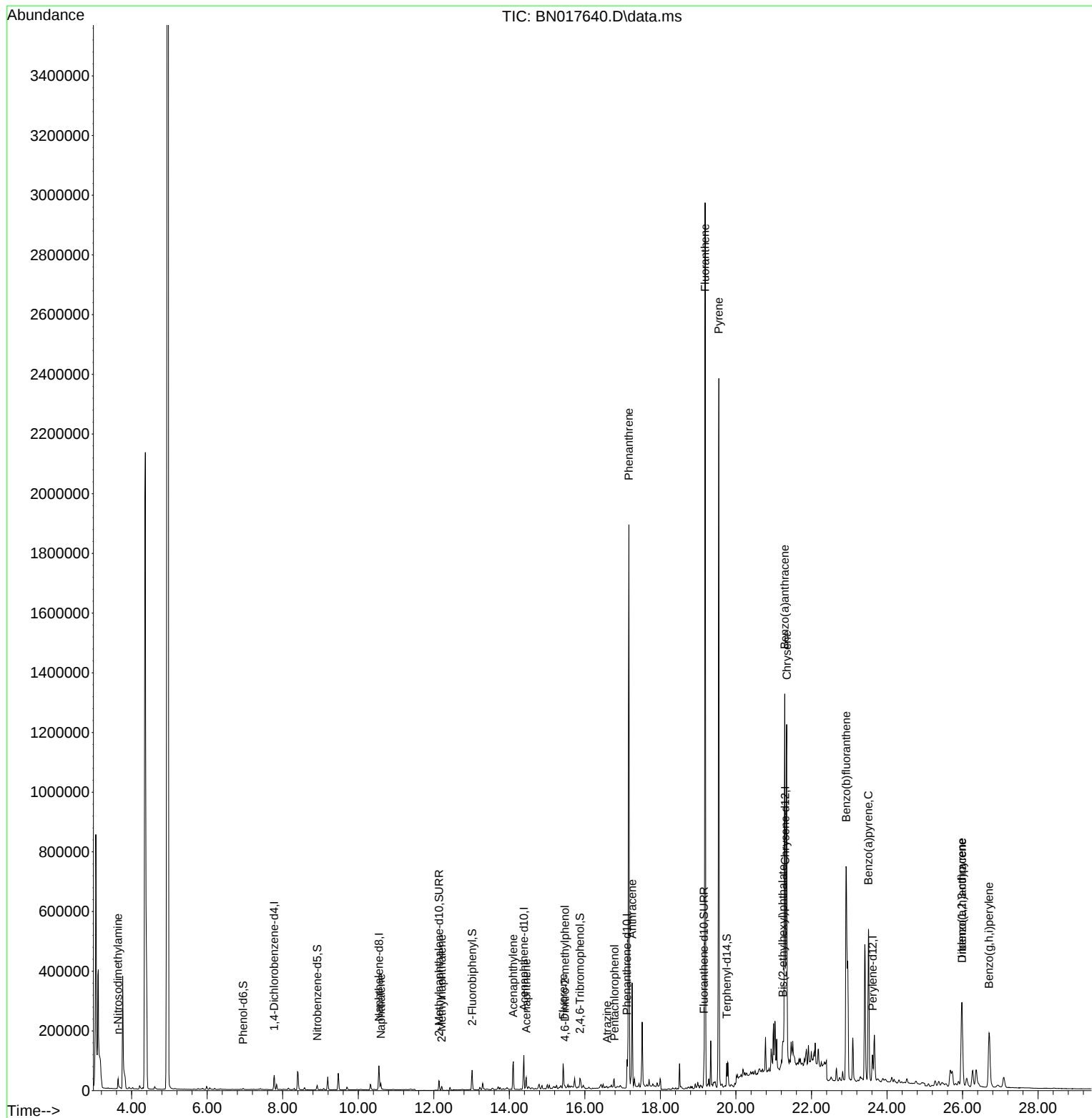
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.773	152	25276	0.400	ng	0.00
7) Naphthalene-d8	10.548	136	105745	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	65509	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	131393	0.400	ng	#-0.01
29) Chrysene-d12	21.303	240	119382	0.400	ng	#-0.01
35) Perylene-d12	23.616	264	120215	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.394	112	594	0.010	ng	0.03
5) Phenol-d6	6.952	99	3277	0.054	ng	0.00
8) Nitrobenzene-d5	8.913	82	13187	0.294	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	45438	0.246	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	126	0.128	ng	-0.01
15) 2-Fluorobiphenyl	13.014	172	58848	0.231	ng	0.00
27) Fluoranthene-d10	19.154	212	104921	0.255	ng	0.00
31) Terphenyl-d14	19.754	244	75927	0.290	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.642	42	9769	0.412	ng	# 1
9) Naphthalene	10.598	128	26035	0.098	ng	99
12) 2-Methylnaphthalene	12.209	142	10037	0.057	ng	# 95
16) Acenaphthylene	14.105	152	112327	0.440	ng	99
17) Acenaphthene	14.448	154	20182	0.114	ng	96
18) Fluorene	15.425	166	61361	0.286	ng	# 91
20) 4,6-Dinitro-2-methylph...	15.476	198	43	0.063	ng	# 1
23) Atrazine	16.593	200	364	0.137	ng	# 40
24) Pentachlorophenol	16.788	266	197	0.197	ng	# 77
25) Phenanthrene	17.165	178	2008957	5.575	ng	99
26) Anthracene	17.250	178	350433	1.132	ng	# 91
28) Fluoranthene	19.184	202	2784685	6.828	ng	97
30) Pyrene	19.546	202	2183117	5.665	ng	97
32) Benzo(a)anthracene	21.293	228	1173945	3.238	ng	94
33) Chrysene	21.346	228	1134115	2.875	ng	97
34) Bis(2-ethylhexyl)phtha...	21.240	149	87707	1.020	ng	97
36) Indeno(1,2,3-cd)pyrene	25.981	276	486237	1.246	ng	# 92
37) Benzo(b)fluoranthene	22.918	252	1298284	3.257	ng	98
39) Benzo(a)pyrene	23.510	252	770232	2.158	ng	98
40) Dibenzo(a,h)anthracene	25.988	278	129137	0.405	ng	# 87
41) Benzo(g,h,i)perylene	26.703	276	425265	1.296	ng	96

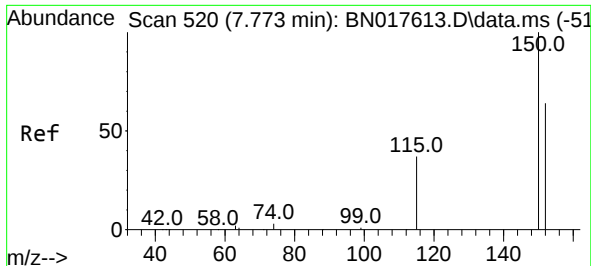
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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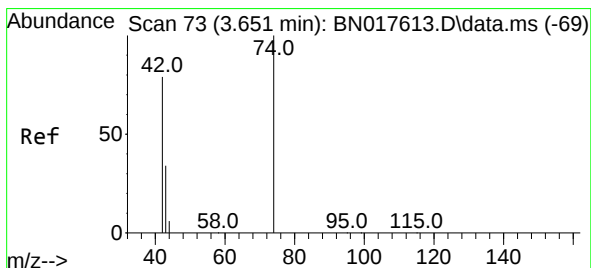
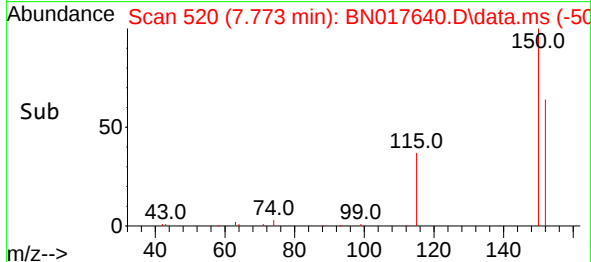
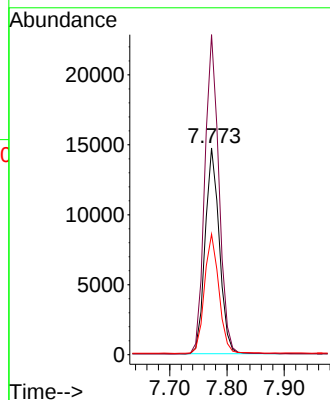
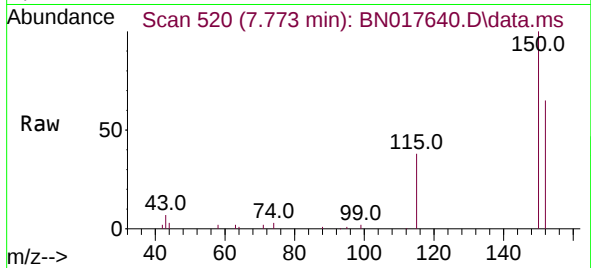




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

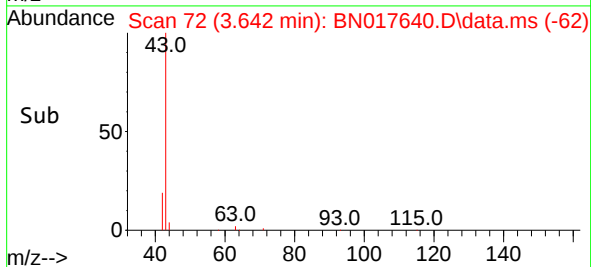
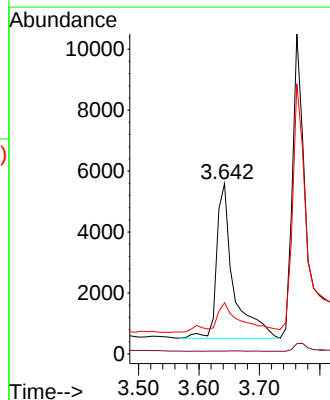
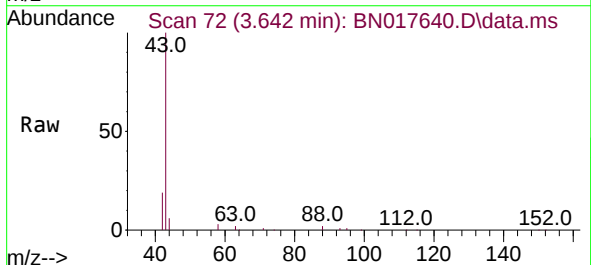
Instrument :
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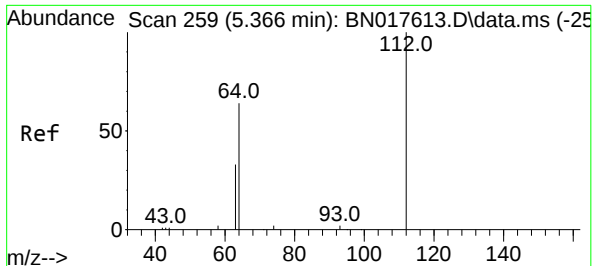
Tgt Ion:152 Resp: 25276
Ion Ratio Lower Upper
152 100
150 154.8 123.0 184.4
115 58.3 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.412 ng
RT: 3.642 min Scan# 72
Delta R.T. -0.009 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

Tgt Ion: 42 Resp: 9769
Ion Ratio Lower Upper
42 100
74 0.0 97.8 146.6#
44 21.8 5.5 8.3#

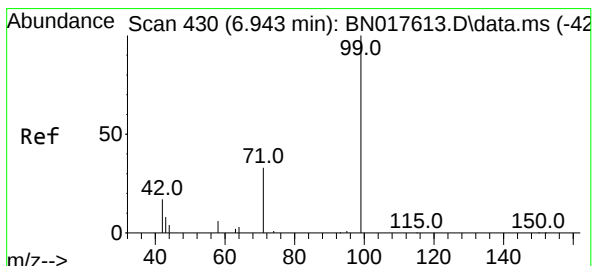
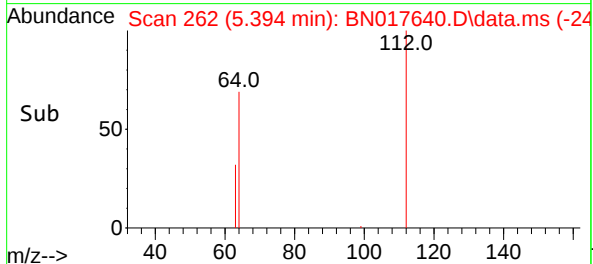
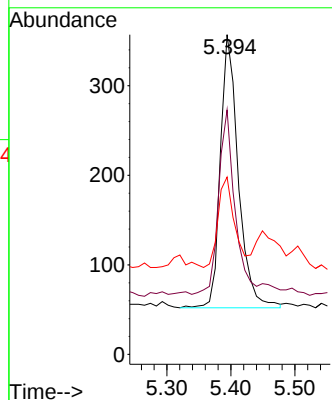
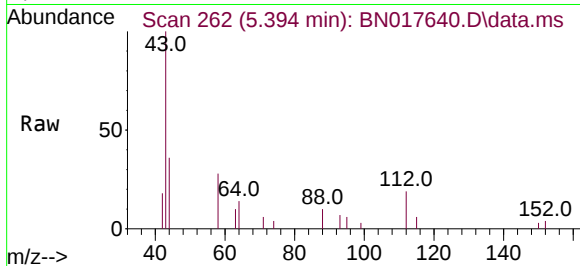




#4
2-Fluorophenol
Concen: 0.010 ng
RT: 5.394 min Scan# 210
Delta R.T. 0.028 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

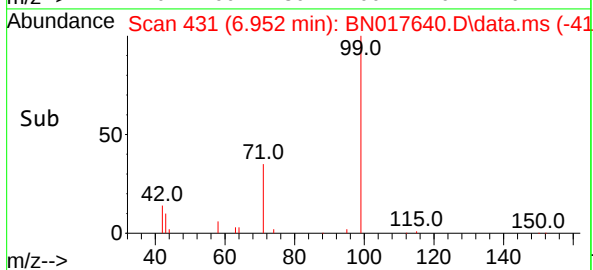
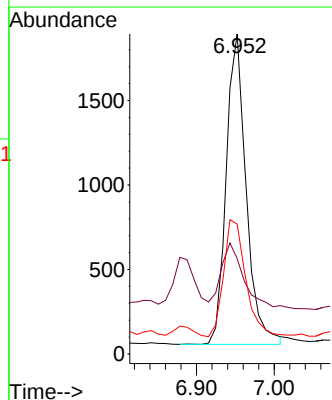
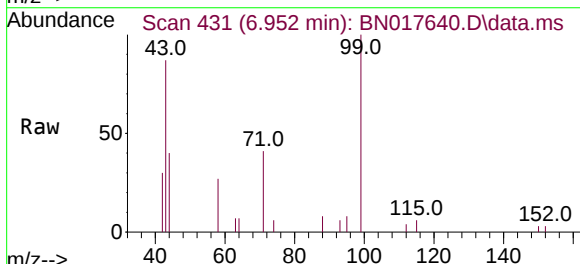
Instrument :
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ClientSampleId :
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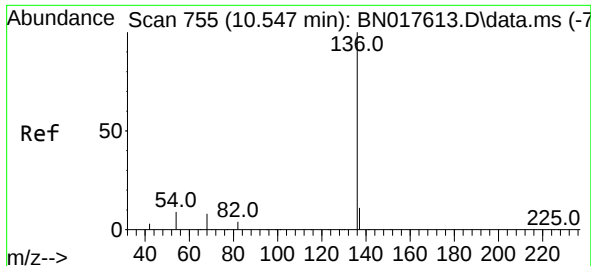
Tgt Ion: 112 Resp: 594
Ion Ratio Lower Upper
112 100
64 64.5 47.6 71.4
63 29.6 24.6 37.0



#5
Phenol-d6
Concen: 0.054 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.010 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

Tgt Ion: 99 Resp: 3277
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 41.8 24.8 37.2#

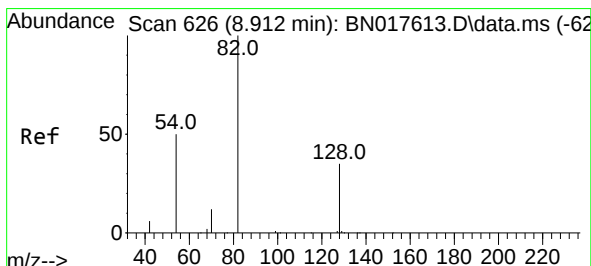
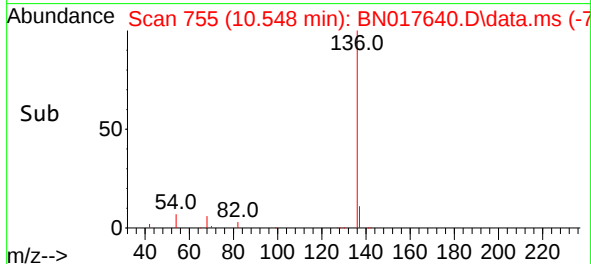
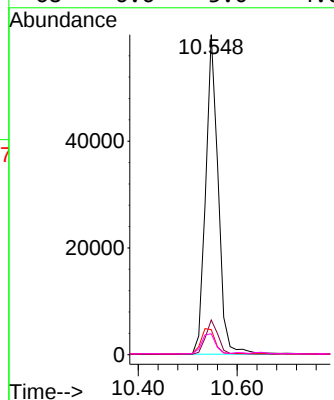
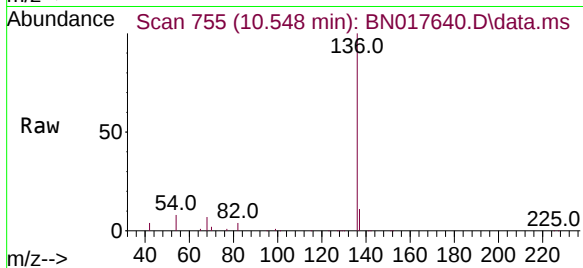




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.548 min Scan# 755
Delta R.T. 0.001 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

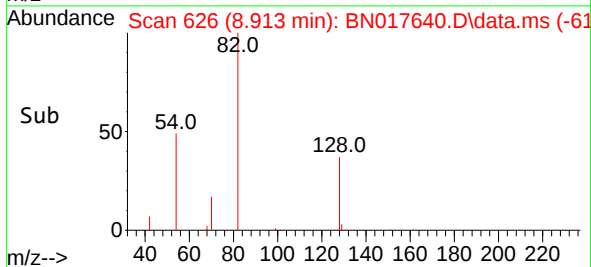
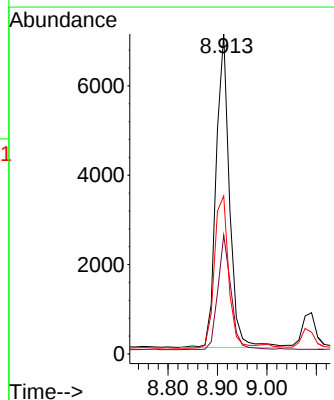
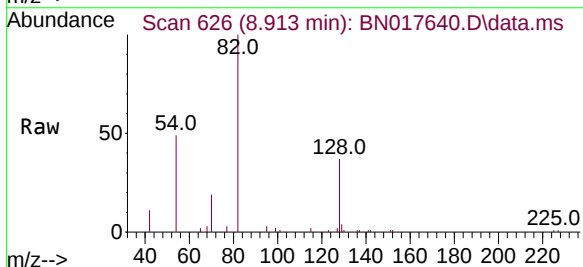
Instrument :
BNA_N
ClientSampleId :
CS-6B

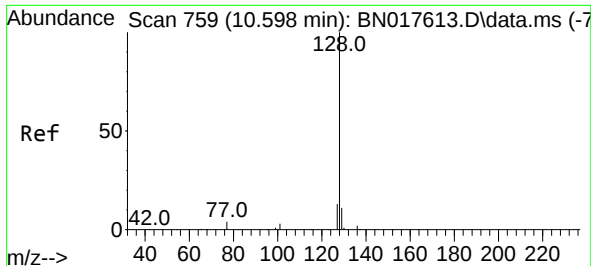
Tgt Ion:136 Resp: 105745
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.8 4.0 6.0#
68 6.6 3.0 4.6#



#8
Nitrobenzene-d5
Concen: 0.294 ng
RT: 8.913 min Scan# 626
Delta R.T. 0.001 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

Tgt Ion: 82 Resp: 13187
Ion Ratio Lower Upper
82 100
128 37.2 27.7 41.5
54 49.4 49.2 73.8

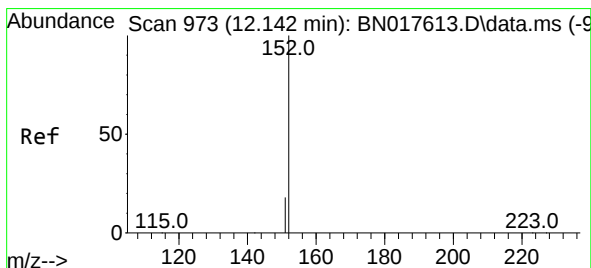
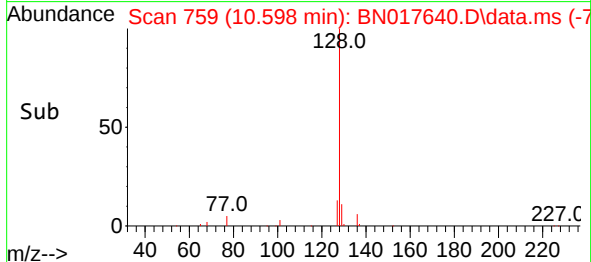
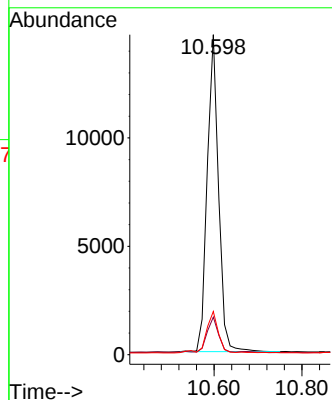
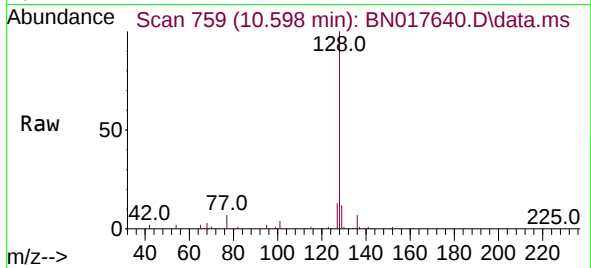




#9
Naphthalene
Concen: 0.098 ng
RT: 10.598 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

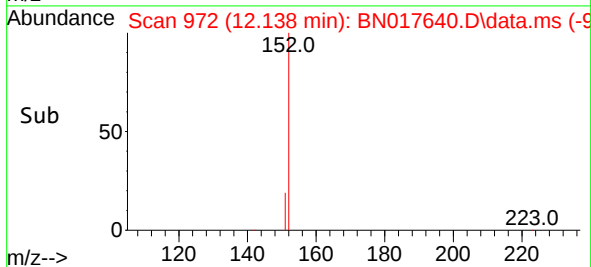
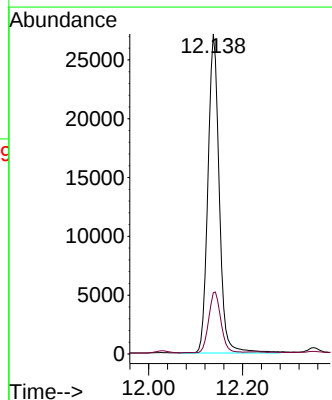
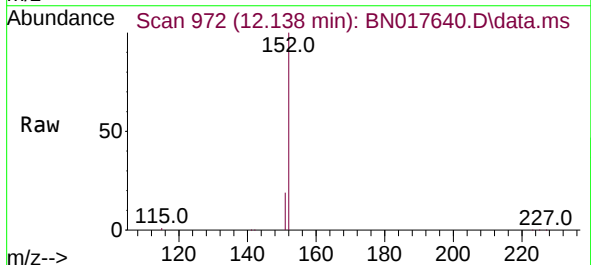
Instrument :
BNA_N
ClientSampleId :
CS-6B

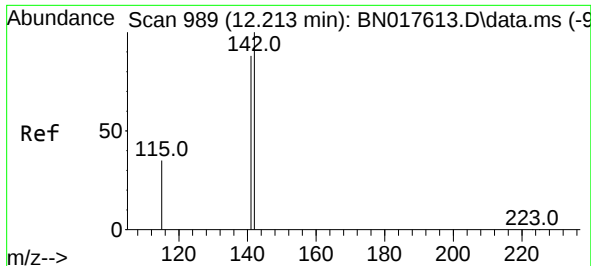
Tgt Ion:128 Resp: 26035
Ion Ratio Lower Upper
128 100
129 11.8 8.8 13.2
127 13.5 10.6 15.8



#11
2-Methylnaphthalene-d10
Concen: 0.246 ng
RT: 12.138 min Scan# 972
Delta R.T. -0.004 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

Tgt Ion:152 Resp: 45438
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.057 ng

RT: 12.209 min Scan# 91

Delta R.T. -0.004 min

Lab File: BN017640.D

Acq: 01 Dec 2021 08:34

Instrument :

BNA_N

ClientSampleId :

CS-6B

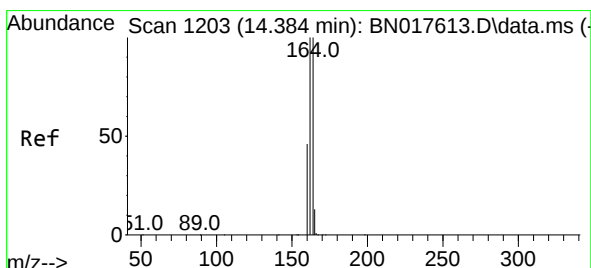
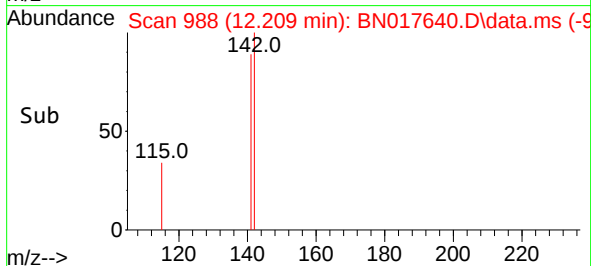
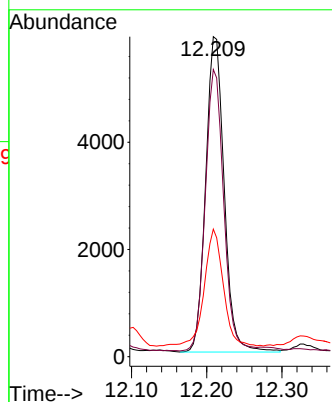
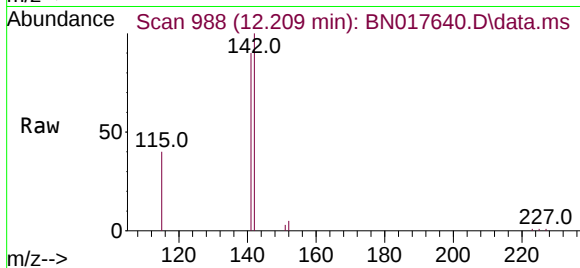
Tgt Ion:142 Resp: 10037

Ion Ratio Lower Upper

142 100

141 89.8 70.6 106.0

115 39.9 25.8 38.6#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.384 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BN017640.D

Acq: 01 Dec 2021 08:34

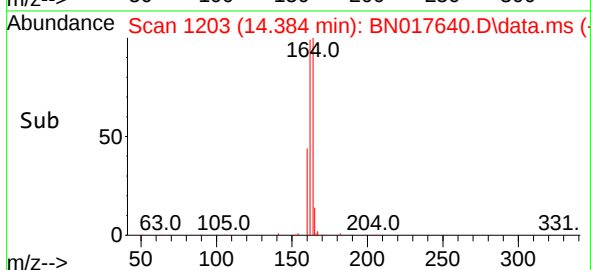
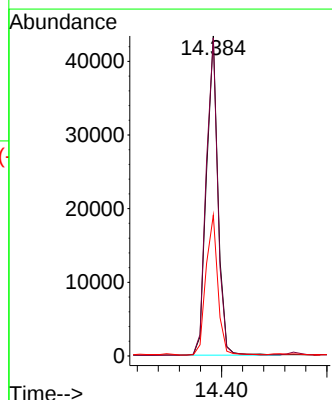
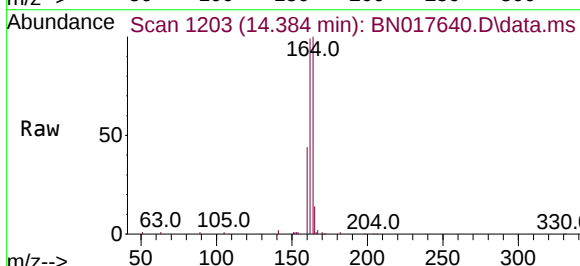
Tgt Ion:164 Resp: 65509

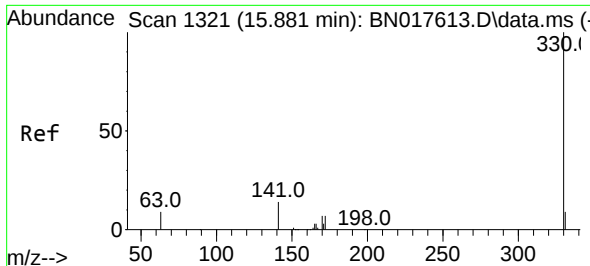
Ion Ratio Lower Upper

164 100

162 99.4 81.4 122.2

160 44.0 36.8 55.2

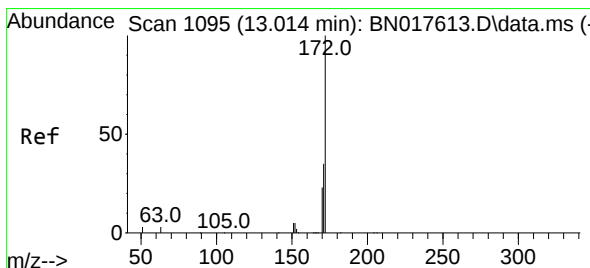
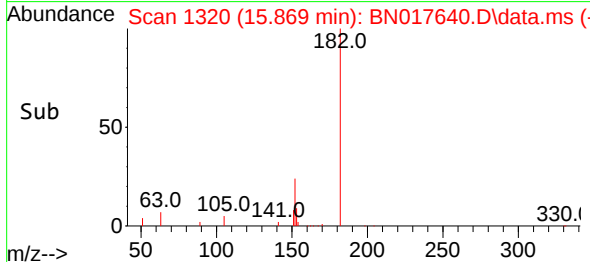
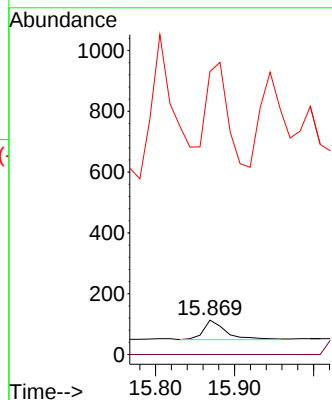
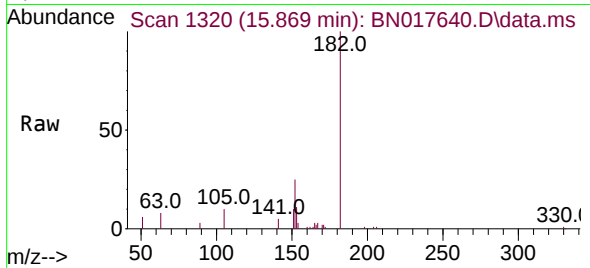




#14
2,4,6-Tribromophenol
Concen: 0.128 ng
RT: 15.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

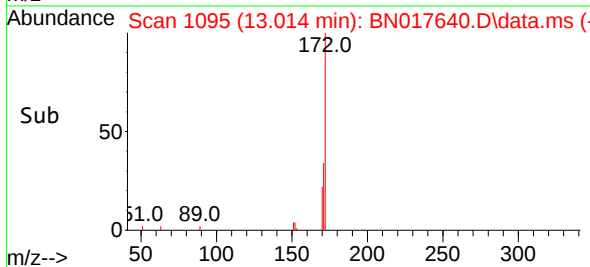
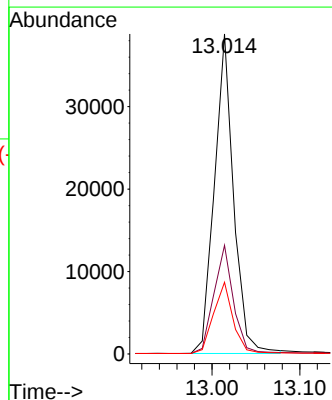
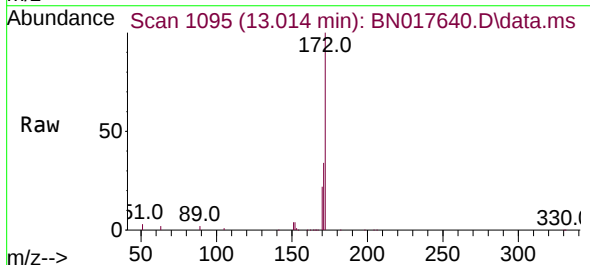
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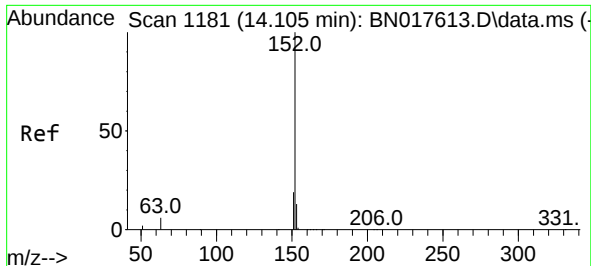
Tgt Ion:330 Resp: 126
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 517.5 28.9 43.3#



#15
2-Fluorobiphenyl
Concen: 0.231 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

Tgt Ion:172 Resp: 58848
Ion Ratio Lower Upper
172 100
171 34.0 28.7 43.1
170 22.4 19.4 29.2

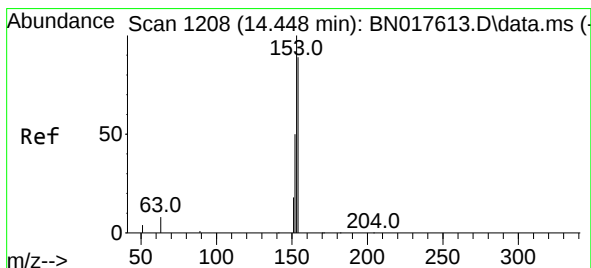
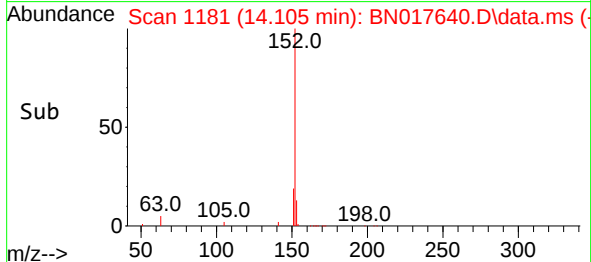
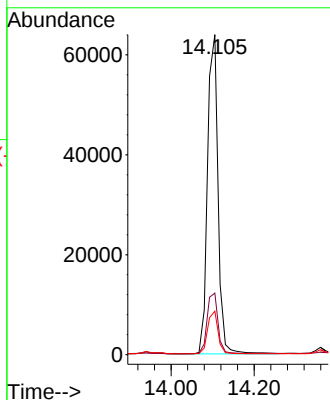
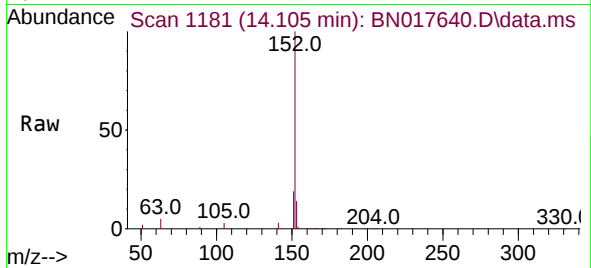




#16
Acenaphthylene
Concen: 0.440 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

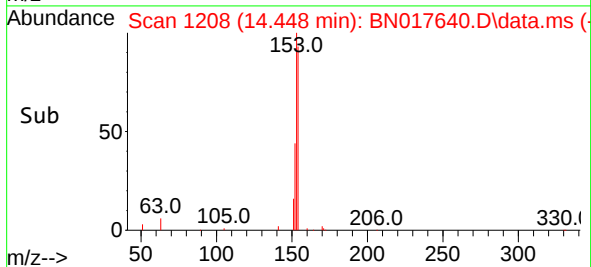
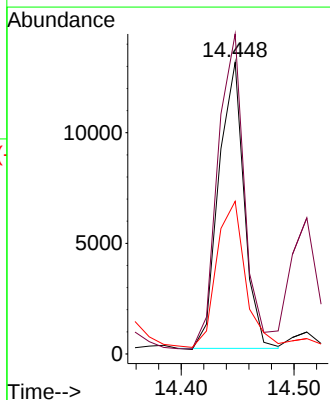
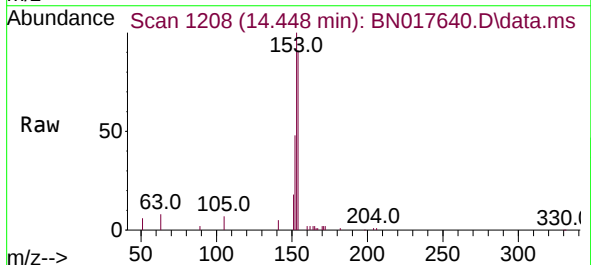
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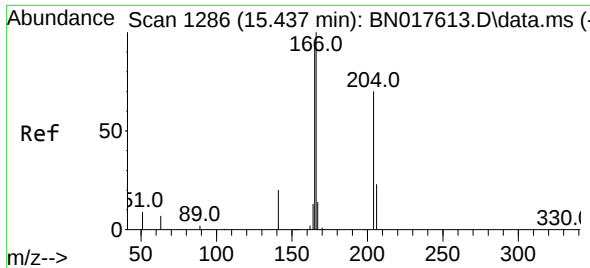
Tgt Ion:152 Resp: 112327
Ion Ratio Lower Upper
152 100
151 19.6 15.5 23.3
153 13.4 10.4 15.6



#17
Acenaphthene
Concen: 0.114 ng
RT: 14.448 min Scan# 1208
Delta R.T. -0.000 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

Tgt Ion:154 Resp: 20182
Ion Ratio Lower Upper
154 100
153 114.5 91.2 136.8
152 62.4 44.3 66.5

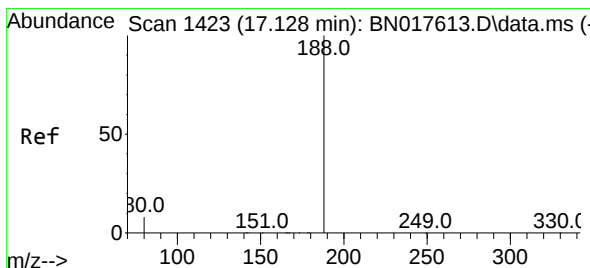
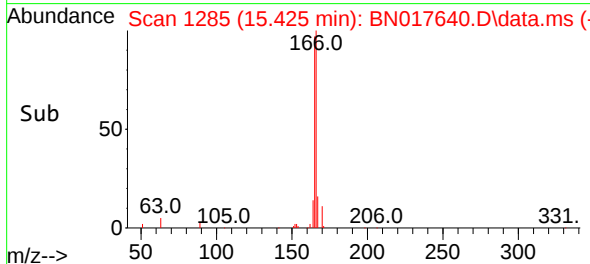
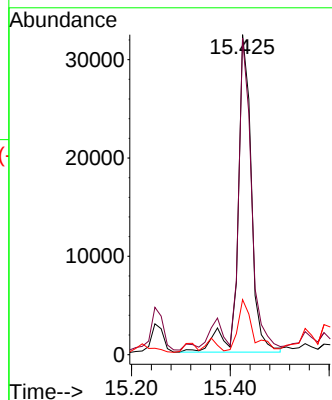
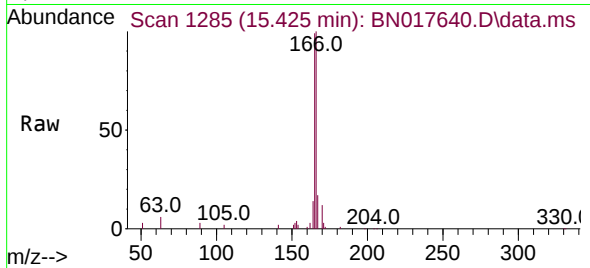




#18
Fluorene
Concen: 0.286 ng
RT: 15.425 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

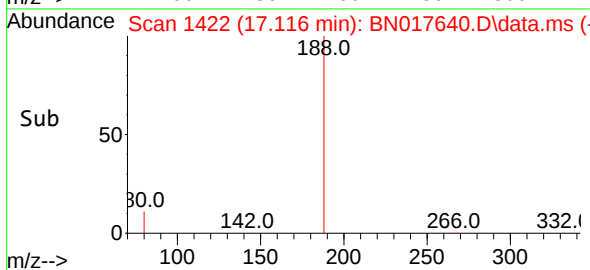
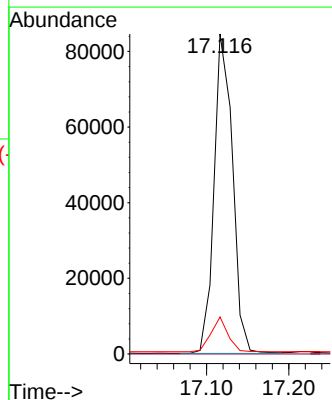
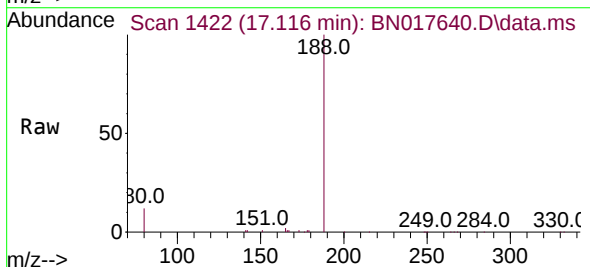
Instrument :
BNA_N
ClientSampleId :
CS-6B

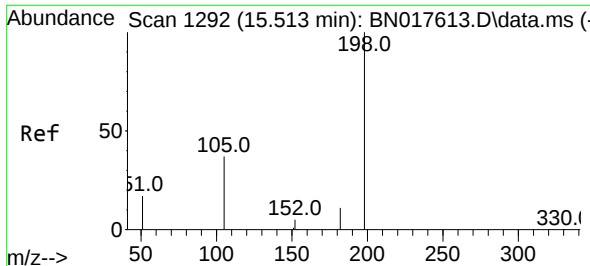
Tgt Ion:166 Resp: 61361
Ion Ratio Lower Upper
166 100
165 88.6 77.9 116.9
167 17.5 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.116 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

Tgt Ion:188 Resp: 131393
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.5 6.1 9.1#

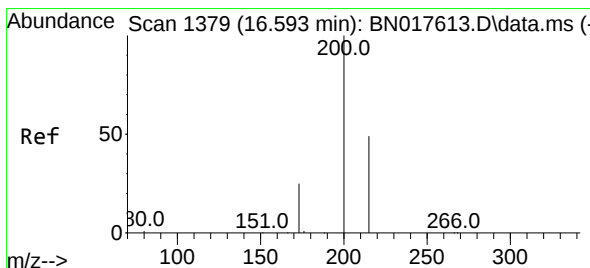
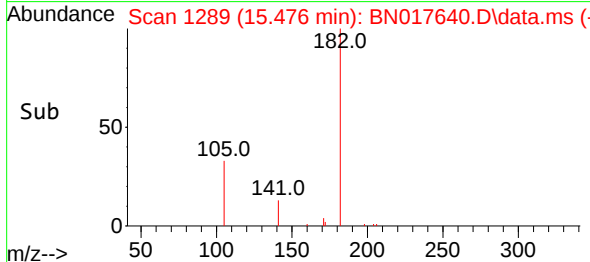
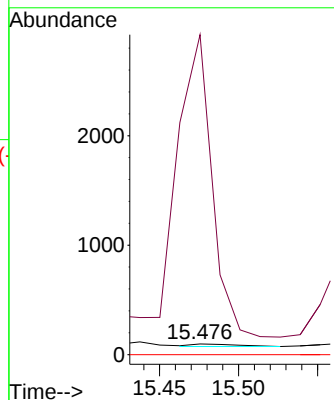
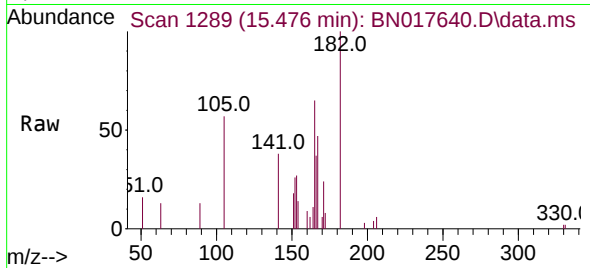




#20
4,6-Dinitro-2-methylphenol
Concen: 0.063 ng
RT: 15.476 min Scan# 1292
Delta R.T. -0.037 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

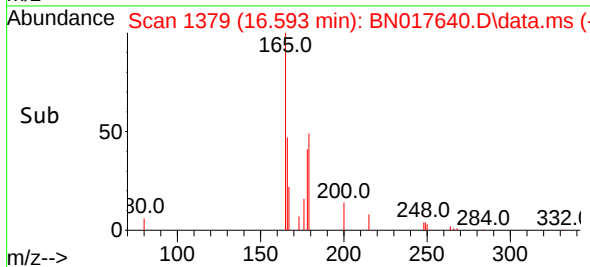
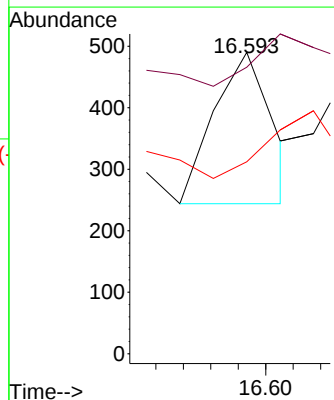
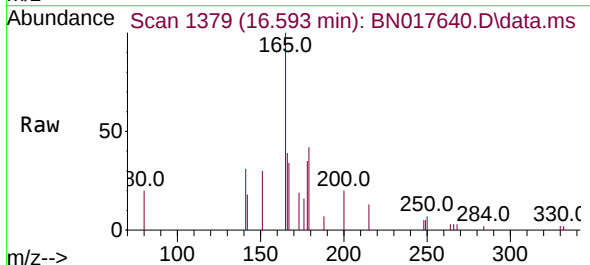
Instrument :
BNA_N
ClientSampleId :
CS-6B

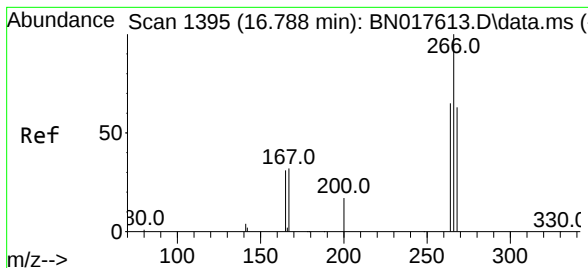
Tgt Ion:198 Resp: 43
Ion Ratio Lower Upper
198 100
182 2982.7 11.4 17.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.137 ng
RT: 16.593 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

Tgt Ion:200 Resp: 364
Ion Ratio Lower Upper
200 100
173 95.1 17.6 26.4#
215 63.7 40.2 60.4#





#24

Pentachlorophenol

Concen: 0.197 ng

RT: 16.788 min Scan# 1395

Delta R.T. -0.000 min

Lab File: BN017640.D

Acq: 01 Dec 2021 08:34

Instrument :

BNA_N

ClientSampleId :

CS-6B

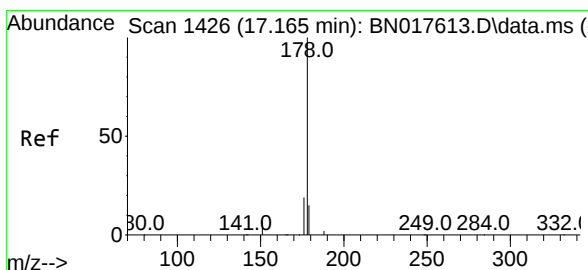
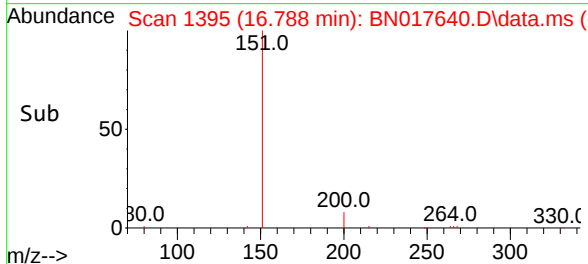
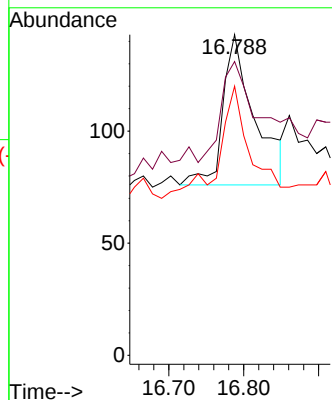
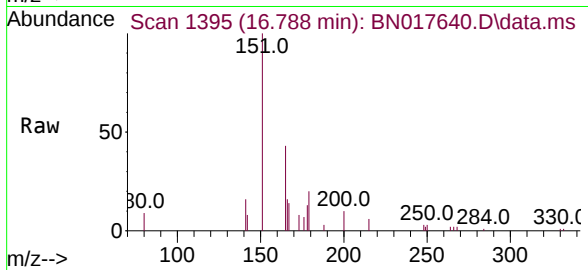
Tgt Ion:266 Resp: 197

Ion Ratio Lower Upper

266 100

264 93.9 49.8 74.8#

268 59.4 51.3 76.9



#25

Phenanthrene

Concen: 5.575 ng

RT: 17.165 min Scan# 1426

Delta R.T. 0.000 min

Lab File: BN017640.D

Acq: 01 Dec 2021 08:34

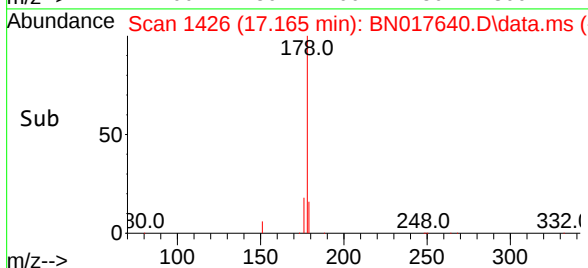
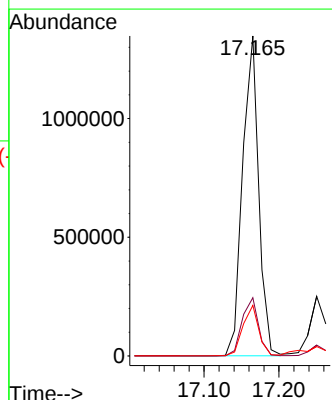
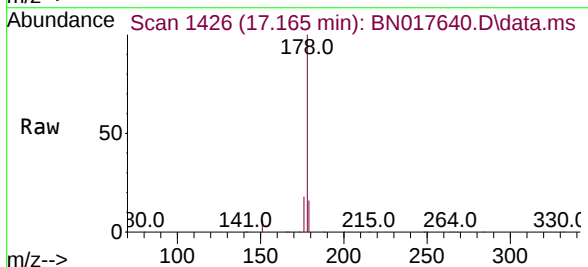
Tgt Ion:178 Resp: 2008957

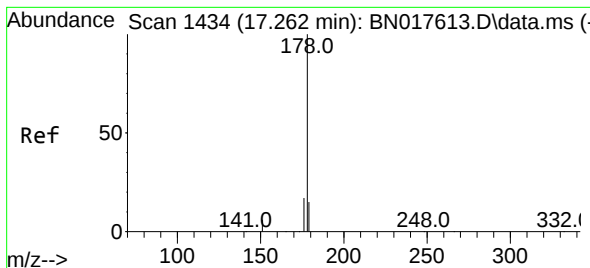
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

179 15.7 12.3 18.5





#26

Anthracene

Concen: 1.132 ng

RT: 17.250 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BN017640.D

Acq: 01 Dec 2021 08:34

Instrument :

BNA_N

ClientSampleId :

CS-6B

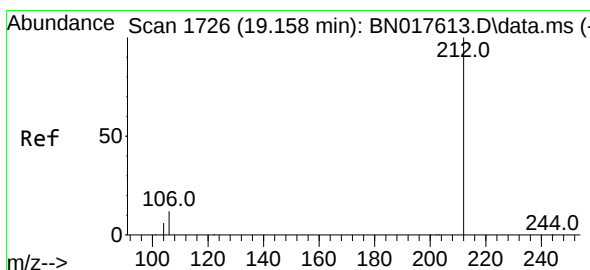
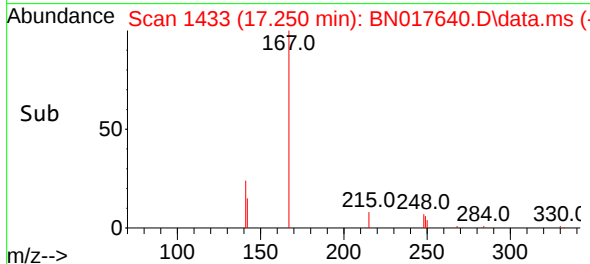
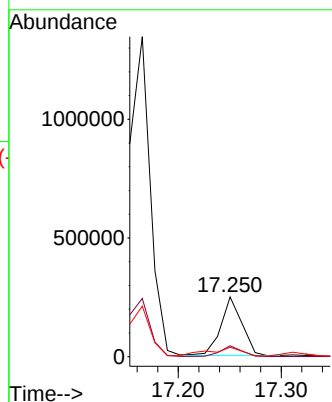
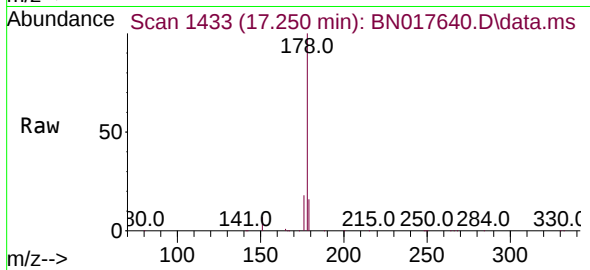
Tgt Ion:178 Resp: 350433

Ion Ratio Lower Upper

178 100

176 18.0 14.6 22.0

179 22.8 12.2 18.4#



#27

Fluoranthene-d10

Concen: 0.255 ng

RT: 19.154 min Scan# 1725

Delta R.T. -0.004 min

Lab File: BN017640.D

Acq: 01 Dec 2021 08:34

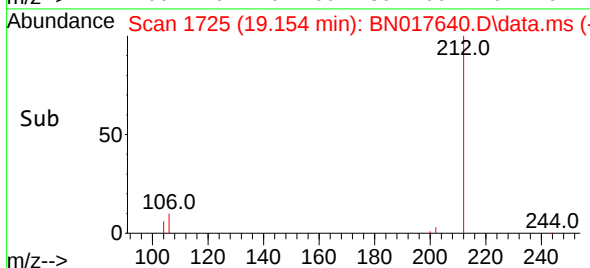
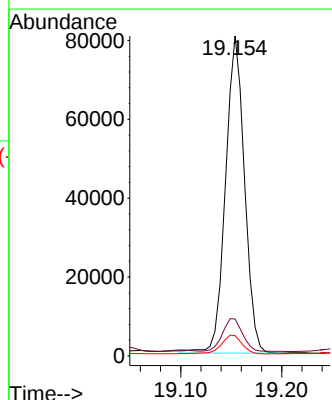
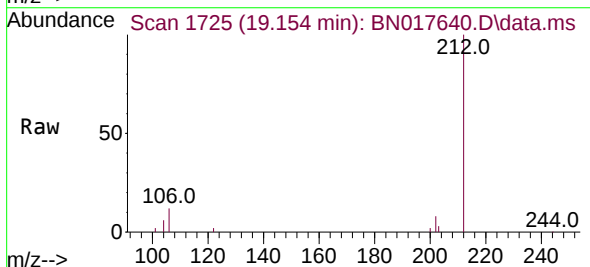
Tgt Ion:212 Resp: 104921

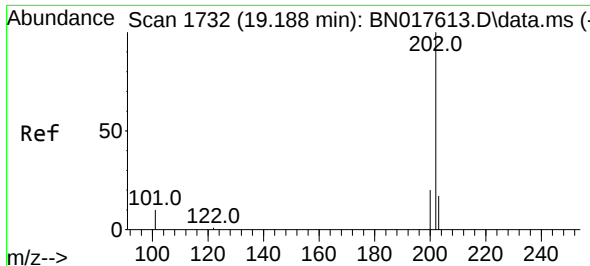
Ion Ratio Lower Upper

212 100

106 11.0 10.5 15.7

104 6.6 5.8 8.6

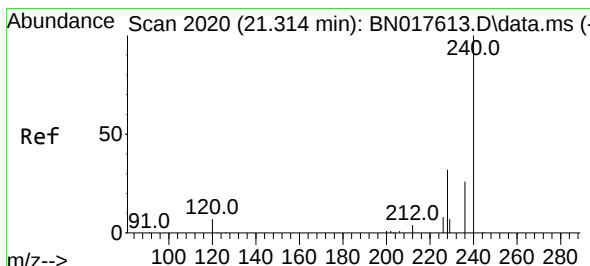
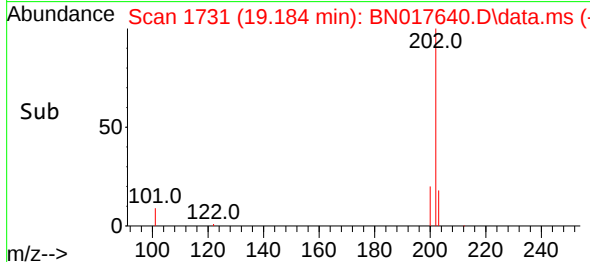
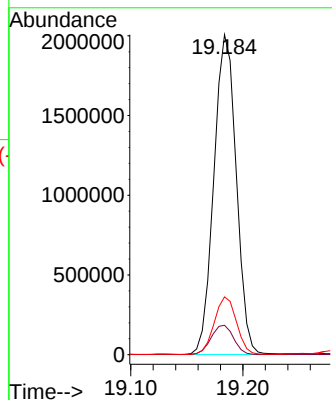
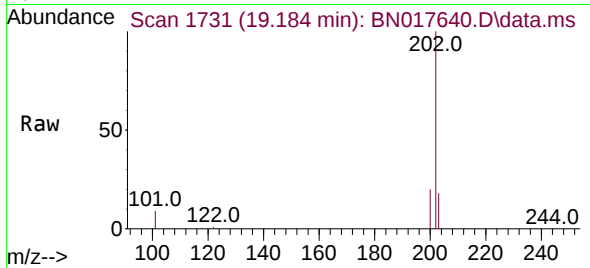




#28
Fluoranthene
Concen: 6.828 ng
RT: 19.184 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

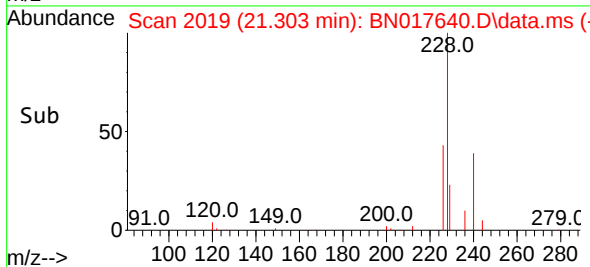
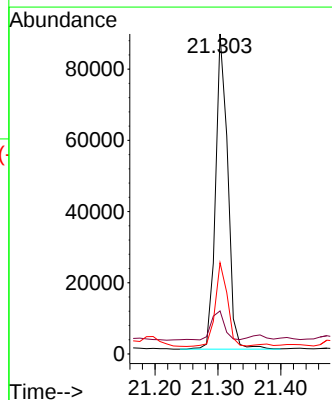
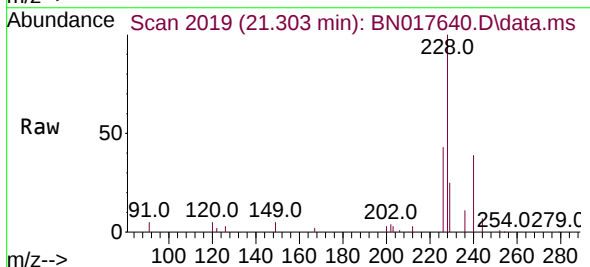
Instrument :
BNA_N
ClientSampleId :
CS-6B

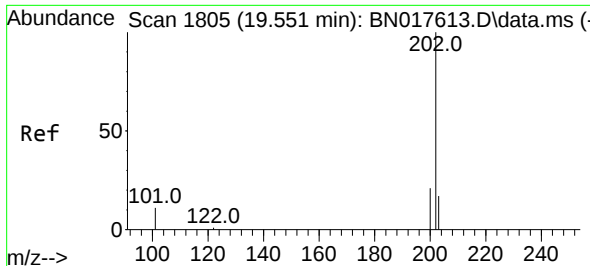
Tgt Ion:202 Resp: 2784685
Ion Ratio Lower Upper
202 100
101 9.2 8.9 13.3
203 17.8 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.303 min Scan# 2019
Delta R.T. -0.011 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

Tgt Ion:240 Resp: 119382
Ion Ratio Lower Upper
240 100
120 13.4 4.2 6.2#
236 28.5 20.0 30.0

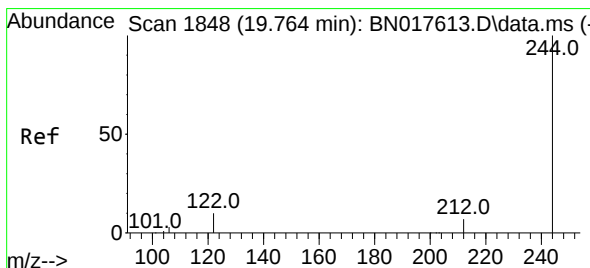
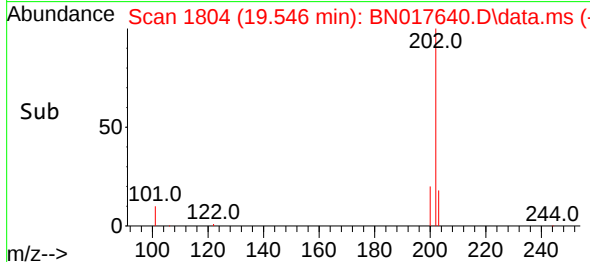
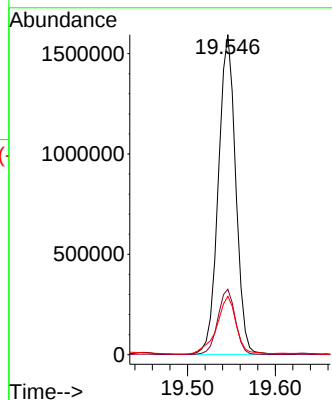
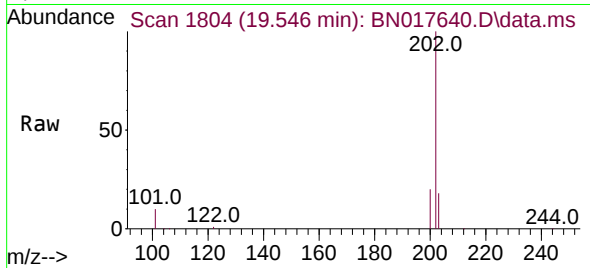




#30
Pyrene
Concen: 5.665 ng
RT: 19.546 min Scan# 1804
Delta R.T. -0.005 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

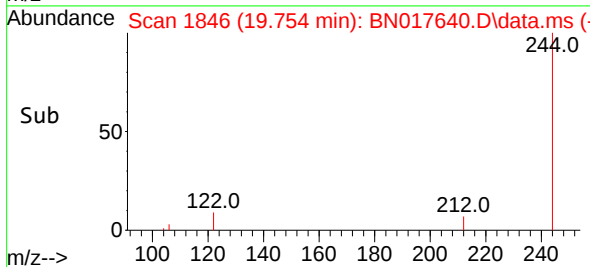
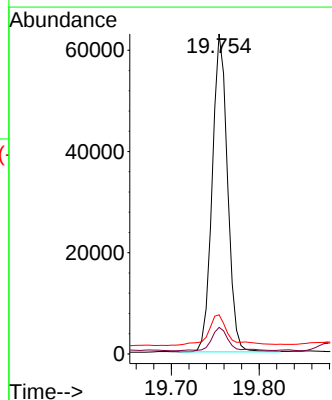
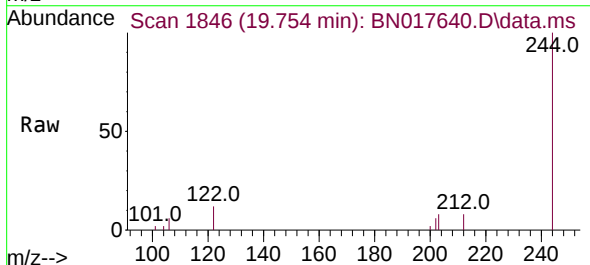
Instrument :
BNA_N
ClientSampleId :
CS-6B

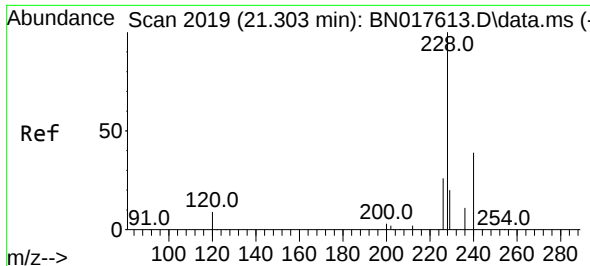
Tgt Ion:202 Resp: 2183117
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 20.3 14.0 21.0



#31
Terphenyl-d14
Concen: 0.290 ng
RT: 19.754 min Scan# 1846
Delta R.T. -0.010 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

Tgt Ion:244 Resp: 75927
Ion Ratio Lower Upper
244 100
212 8.3 5.7 8.5
122 12.2 8.6 13.0

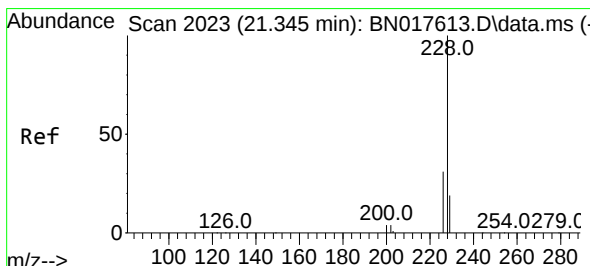
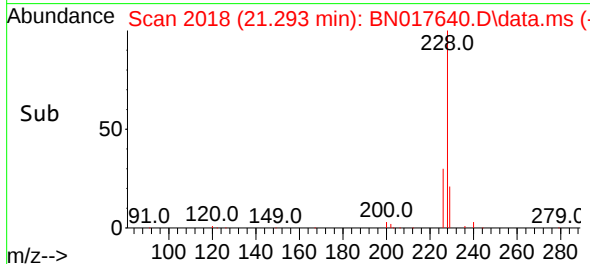
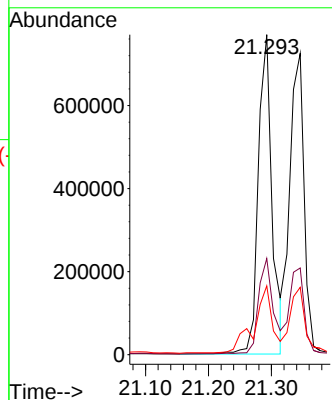
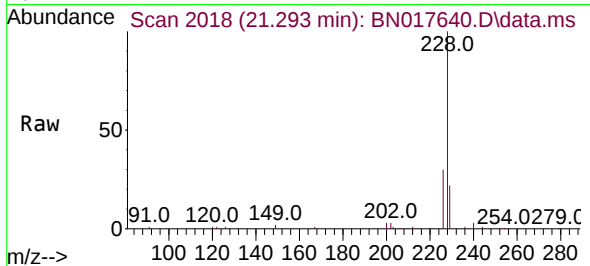




#32
Benzo(a)anthracene
Concen: 3.238 ng
RT: 21.293 min Scan# 2018
Delta R.T. -0.010 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

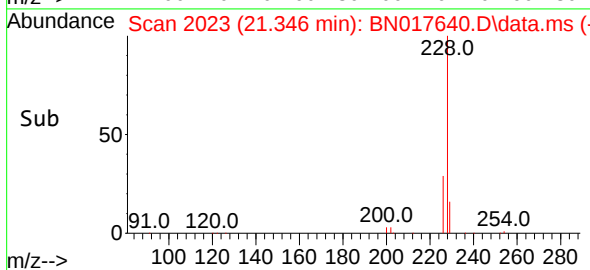
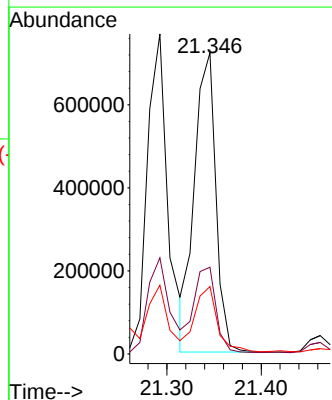
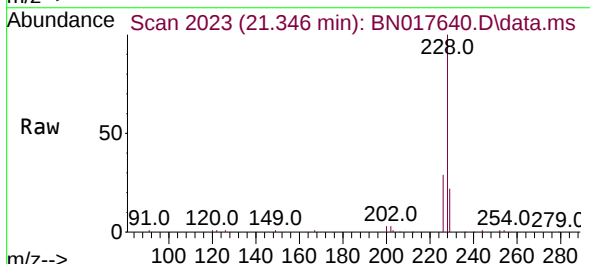
Instrument :
BNA_N
ClientSampleId :
CS-6B

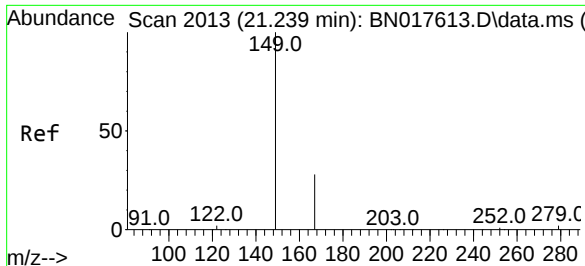
Tgt Ion:228 Resp: 1173945
Ion Ratio Lower Upper
228 100
226 30.1 21.3 31.9
229 21.5 15.7 23.5



#33
Chrysene
Concen: 2.875 ng
RT: 21.346 min Scan# 2023
Delta R.T. 0.001 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

Tgt Ion:228 Resp: 1134115
Ion Ratio Lower Upper
228 100
226 28.8 23.3 34.9
229 22.4 15.6 23.4

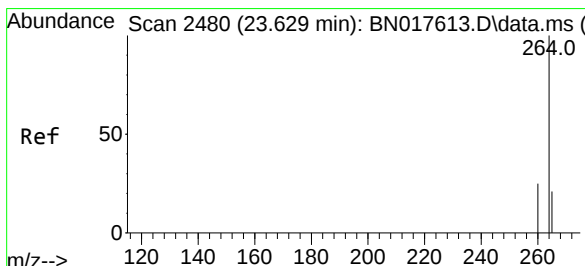
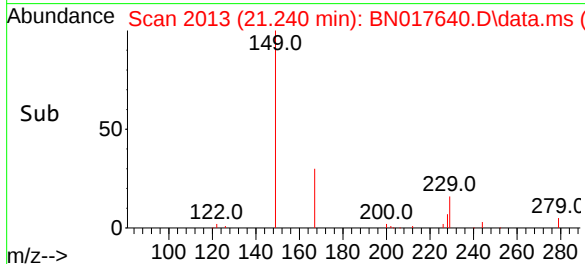
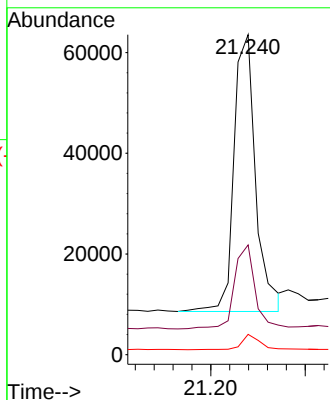
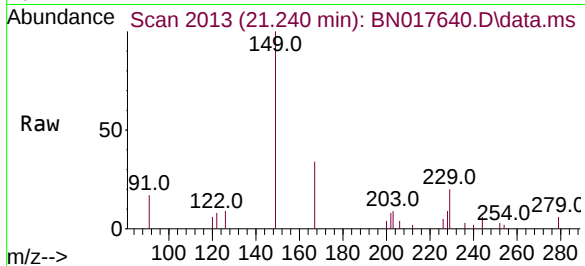




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.020 ng
 RT: 21.240 min Scan# 2013
 Delta R.T. 0.001 min
 Lab File: BN017640.D
 Acq: 01 Dec 2021 08:34

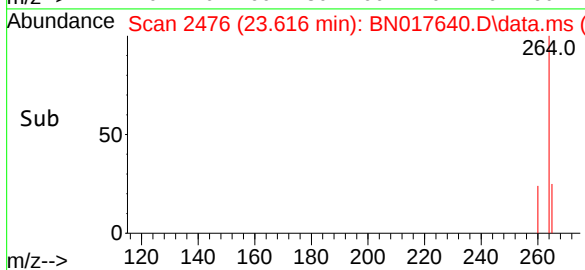
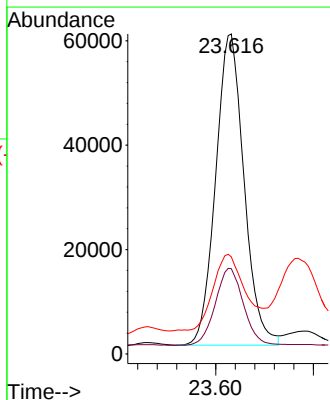
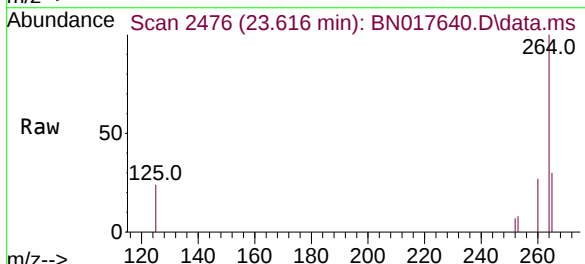
Instrument :
 BNA_N
 ClientSampleId :
 CS-6B

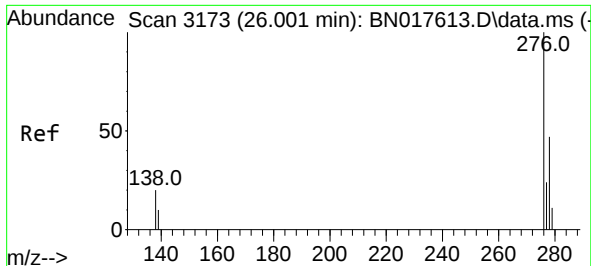
Tgt Ion:149 Resp: 87707
 Ion Ratio Lower Upper
 149 100
 167 29.1 21.8 32.6
 279 4.7 3.4 5.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.616 min Scan# 2476
 Delta R.T. -0.013 min
 Lab File: BN017640.D
 Acq: 01 Dec 2021 08:34

Tgt Ion:264 Resp: 120215
 Ion Ratio Lower Upper
 264 100
 260 26.6 19.4 29.2
 265 30.3 18.6 28.0#

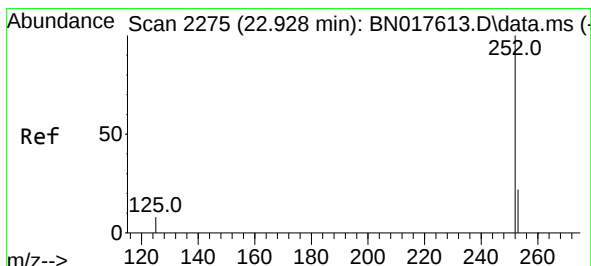
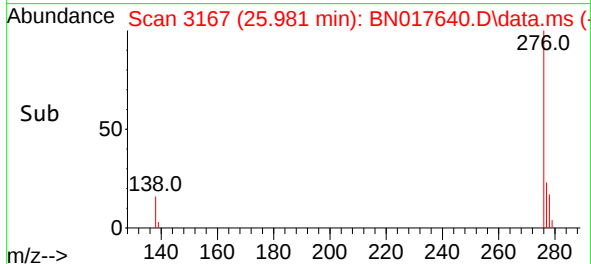
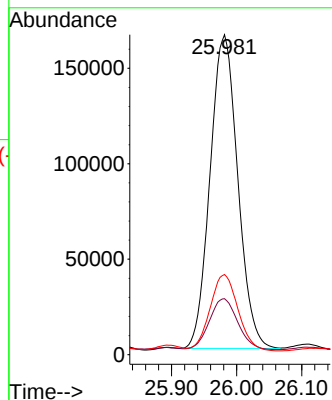
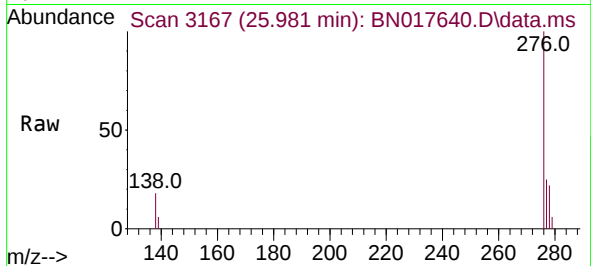




#36
Indeno(1,2,3-cd)pyrene
Concen: 1.246 ng
RT: 25.981 min Scan# 3173
Delta R.T. -0.020 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

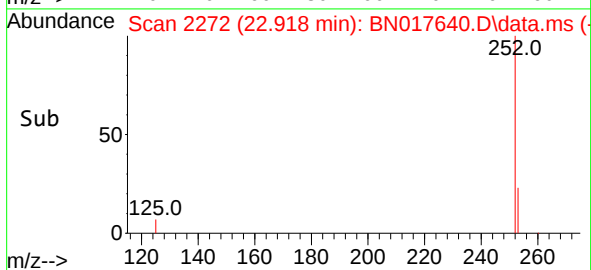
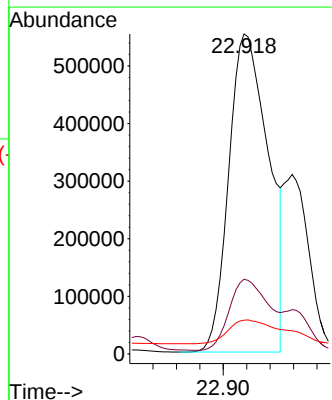
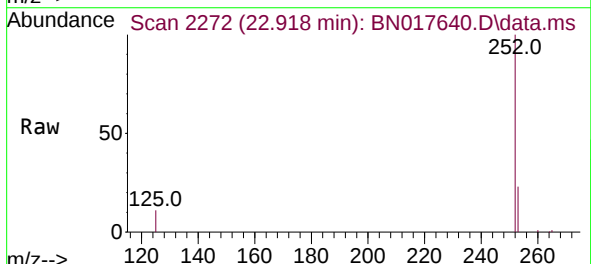
Instrument :
BNA_N
ClientSampleId :
CS-6B

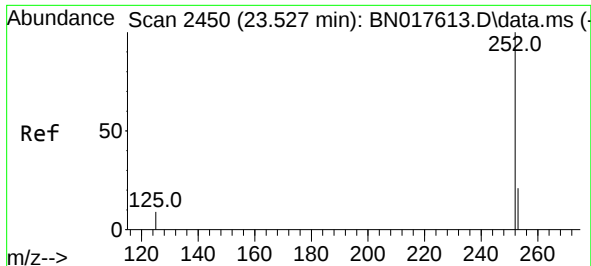
Tgt Ion:276 Resp: 486237
Ion Ratio Lower Upper
276 100
138 16.6 19.7 29.5#
277 24.7 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 3.257 ng
RT: 22.918 min Scan# 2272
Delta R.T. -0.010 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

Tgt Ion:252 Resp: 1298284
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 10.6 7.8 11.8





#39

Benzo(a)pyrene

Concen: 2.158 ng

RT: 23.510 min Scan# 24

Delta R.T. -0.017 min

Lab File: BN017640.D

Acq: 01 Dec 2021 08:34

Instrument :

BNA_N

ClientSampleId :

CS-6B

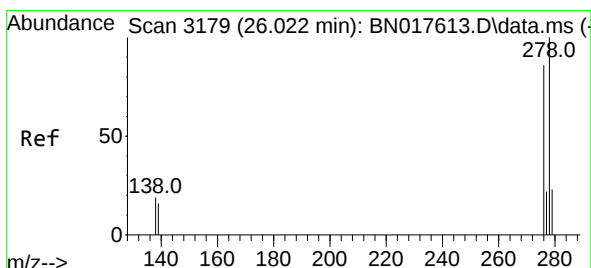
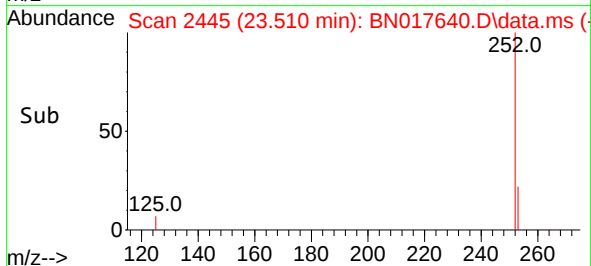
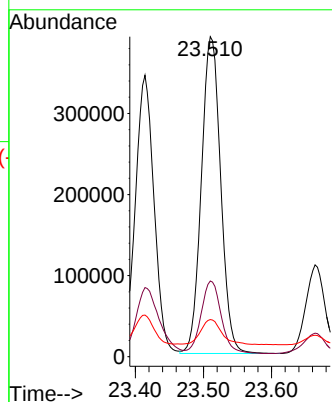
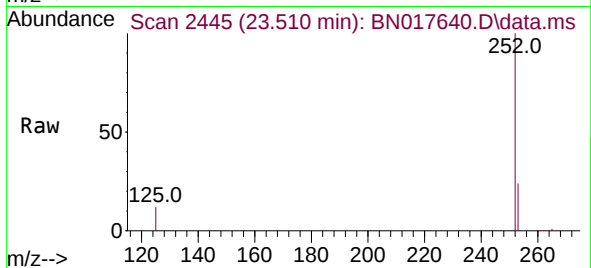
Tgt Ion:252 Resp: 770232

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

125 11.6 9.2 13.8



#40

Dibenzo(a,h)anthracene

Concen: 0.405 ng

RT: 25.988 min Scan# 3169

Delta R.T. -0.034 min

Lab File: BN017640.D

Acq: 01 Dec 2021 08:34

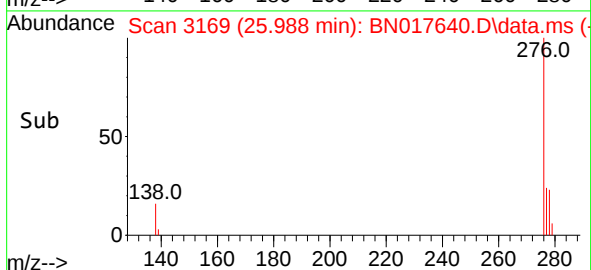
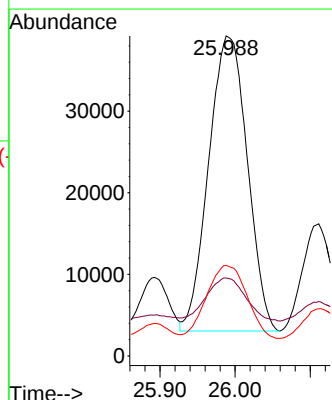
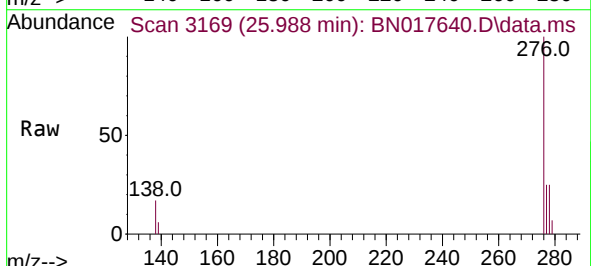
Tgt Ion:278 Resp: 129137

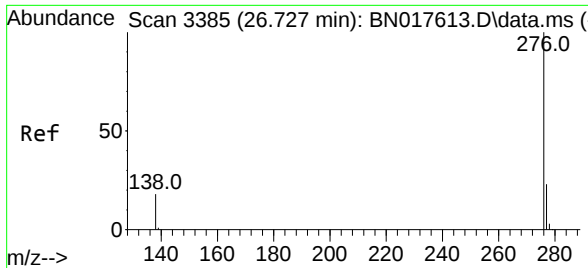
Ion Ratio Lower Upper

278 100

139 24.4 13.0 19.6#

279 28.3 19.2 28.8





#41
Benzo(g,h,i)perylene
Concen: 1.296 ng
RT: 26.703 min Scan# 31
Delta R.T. -0.024 min
Lab File: BN017640.D
Acq: 01 Dec 2021 08:34

Instrument :
BNA_N
ClientSampleId :
CS-6B

Tgt Ion:276 Resp: 425265
Ion Ratio Lower Upper
276 100
277 24.6 19.0 28.4
138 18.0 17.1 25.7

