

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017638.D
 Acq On : 01 Dec 2021 07:22
 Operator : CG/JU
 Sample : M4862-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-3A

Quant Time: Dec 01 07:52:44 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)

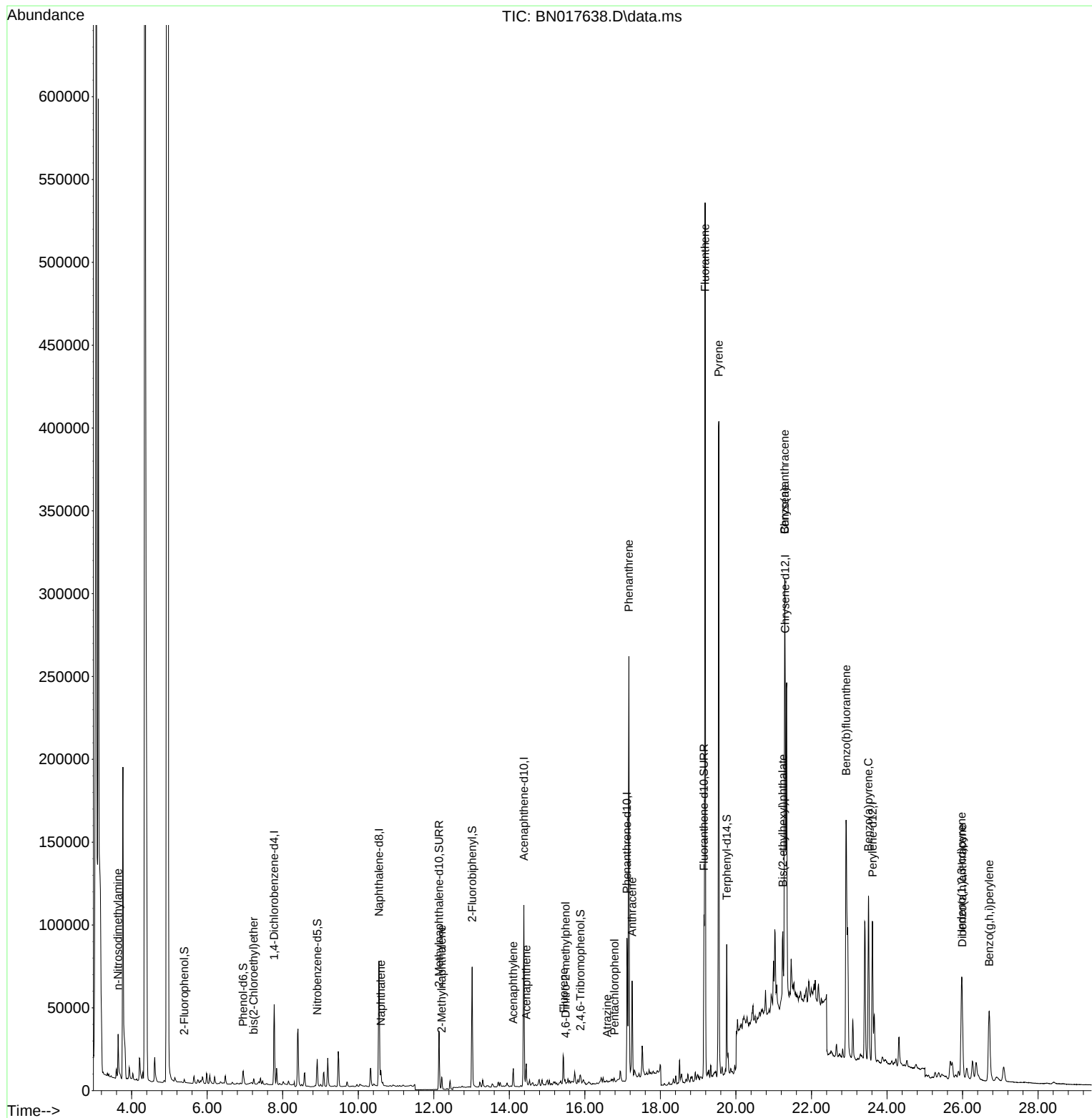
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.773	152	24995	0.400	ng	0.00
7) Naphthalene-d8	10.547	136	103425	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	63218	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	127404	0.400	ng	#-0.01
29) Chrysene-d12	21.303	240	117718	0.400	ng	#-0.01
35) Perylene-d12	23.616	264	114476	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.394	112	1693	0.030	ng	0.03
5) Phenol-d6	6.952	99	7603	0.127	ng	0.00
8) Nitrobenzene-d5	8.912	82	14726	0.335	ng	0.00
11) 2-Methylnaphthalene-d10	12.137	152	50627	0.280	ng	0.00
14) 2,4,6-Tribromophenol	15.881	330	126	0.128	ng	0.00
15) 2-Fluorobiphenyl	13.014	172	65100	0.265	ng	0.00
27) Fluoranthene-d10	19.154	212	116401	0.292	ng	0.00
31) Terphenyl-d14	19.754	244	79983	0.310	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.642	42	6886	0.293	ng	# 1
6) bis(2-Chloroethyl)ether	7.229	93	1456	0.021	ng	# 24
9) Naphthalene	10.598	128	10531	0.040	ng	98
12) 2-Methylnaphthalene	12.209	142	5556	0.032	ng	97
16) Acenaphthylene	14.105	152	12267	0.050	ng	96
17) Acenaphthene	14.448	154	6648	0.039	ng	97
18) Fluorene	15.437	166	12686	0.061	ng	# 95
20) 4,6-Dinitro-2-methylph...	15.488	198	27	0.061	ng	# 1
23) Atrazine	16.593	200	132	0.133	ng	# 1
24) Pentachlorophenol	16.788	266	115	0.195	ng	90
25) Phenanthrene	17.165	178	276610	0.792	ng	99
26) Anthracene	17.250	178	60431	0.201	ng	# 91
28) Fluoranthene	19.183	202	469943	1.188	ng	98
30) Pyrene	19.546	202	384787	1.013	ng	# 96
32) Benzo(a)anthracene	21.292	228	209949	0.587	ng	95
33) Chrysene	21.292	228	200090	0.514	ng	97
34) Bis(2-ethylhexyl)phtha...	21.239	149	51463	0.607	ng	97
36) Indeno(1,2,3-cd)pyrene	25.978	276	106078	0.285	ng	# 93
37) Benzo(b)fluoranthene	22.918	252	258338	0.681	ng	# 90
39) Benzo(a)pyrene	23.510	252	147358	0.434	ng	# 89
40) Dibenzo(a,h)anthracene	25.991	278	27430	0.090	ng	# 60
41) Benzo(g,h,i)perylene	26.707	276	101101	0.324	ng	97

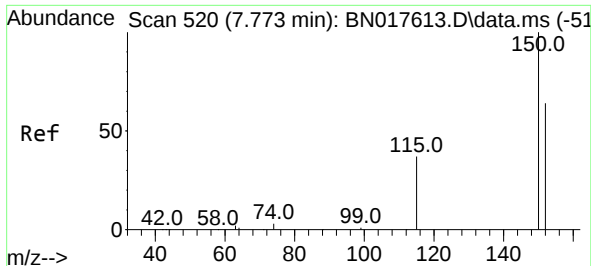
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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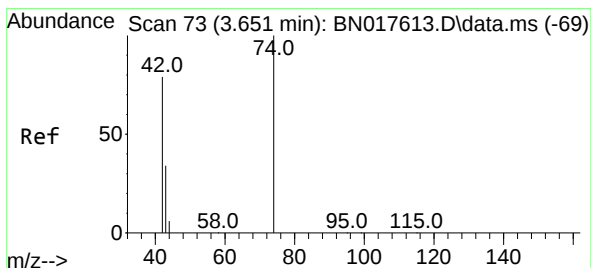
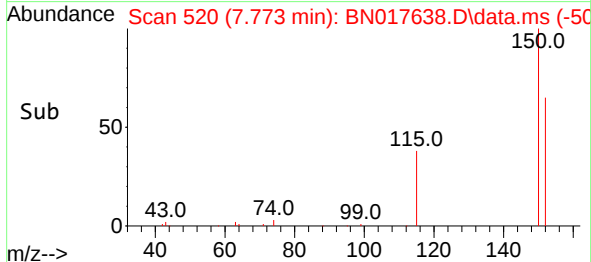
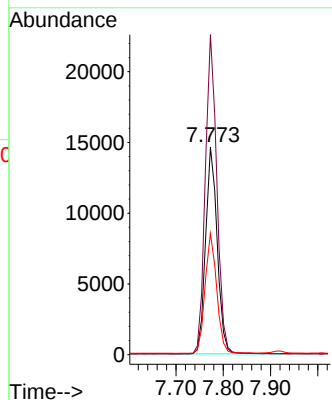
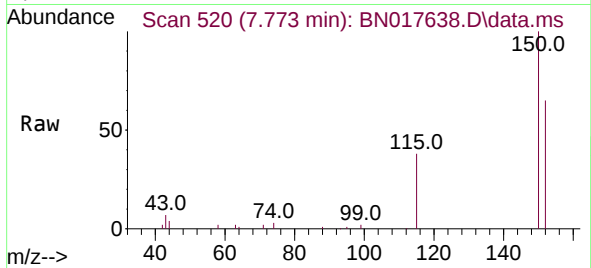




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

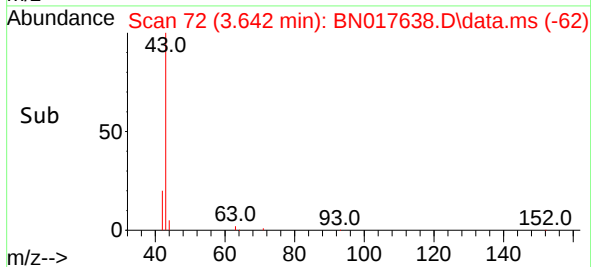
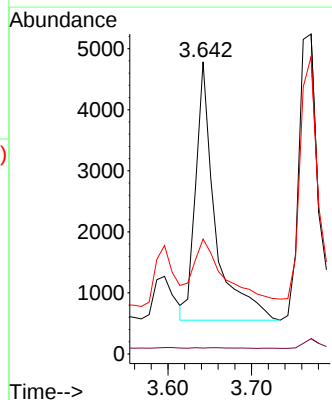
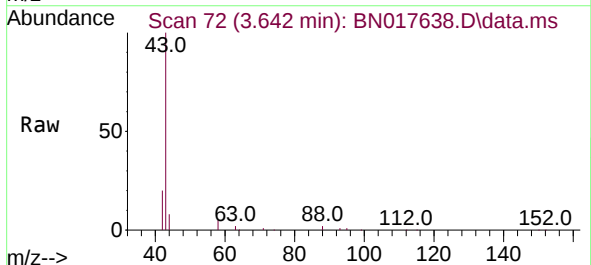
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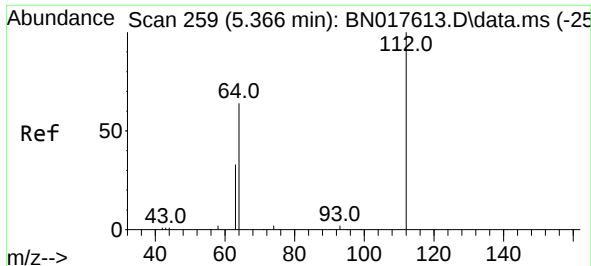
Tgt Ion:152 Resp: 24995
Ion Ratio Lower Upper
152 100
150 154.1 123.0 184.4
115 58.4 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.293 ng
RT: 3.642 min Scan# 72
Delta R.T. -0.009 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

Tgt Ion: 42 Resp: 6886
Ion Ratio Lower Upper
42 100
74 0.5 97.8 146.6#
44 37.9 5.5 8.3#

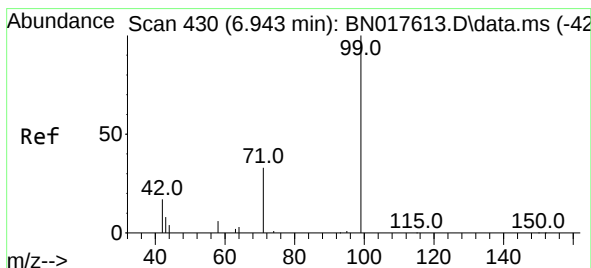
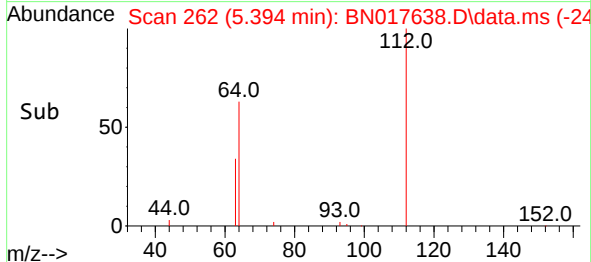
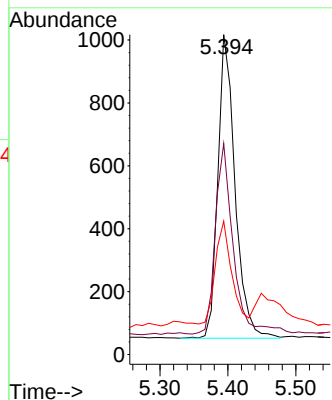
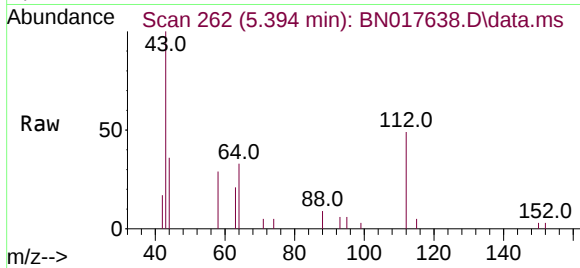




#4
2-Fluorophenol
Concen: 0.030 ng
RT: 5.394 min Scan# 21
Delta R.T. 0.028 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

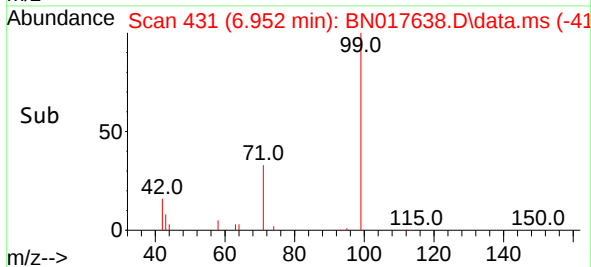
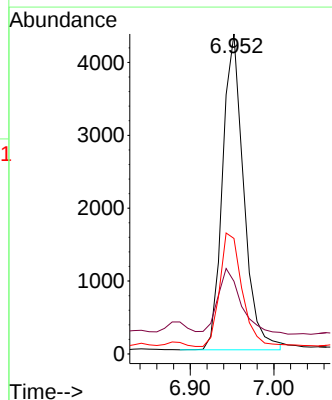
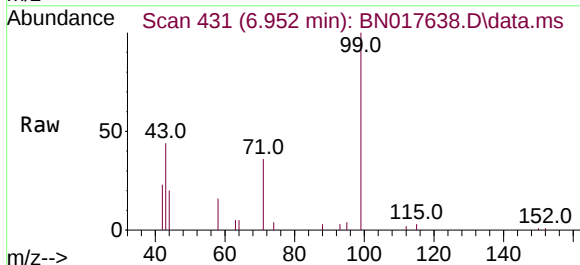
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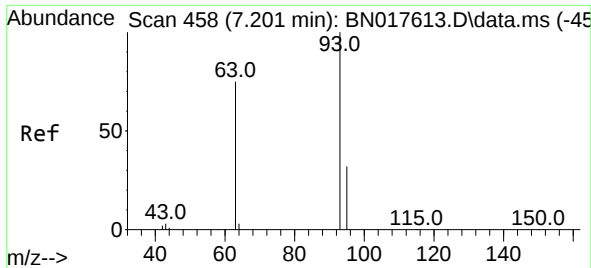
Tgt Ion:112 Resp: 1693
Ion Ratio Lower Upper
112 100
64 64.4 47.6 71.4
63 32.1 24.6 37.0



#5
Phenol-d6
Concen: 0.127 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.009 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

Tgt Ion: 99 Resp: 7603
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 38.0 24.8 37.2#

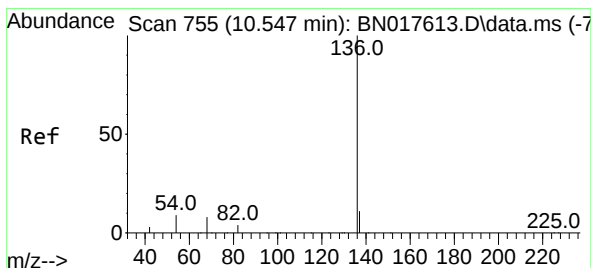
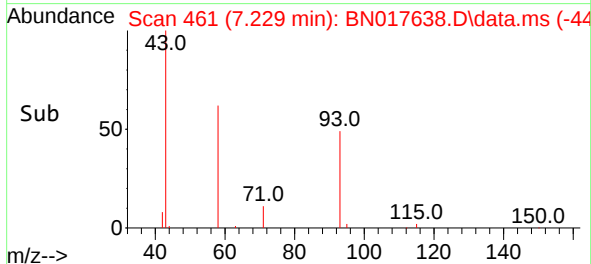
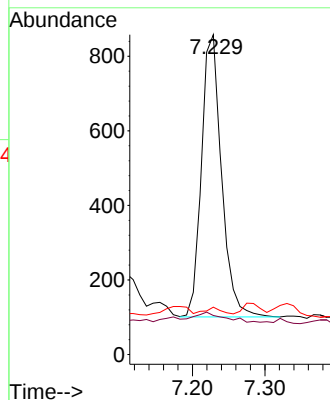
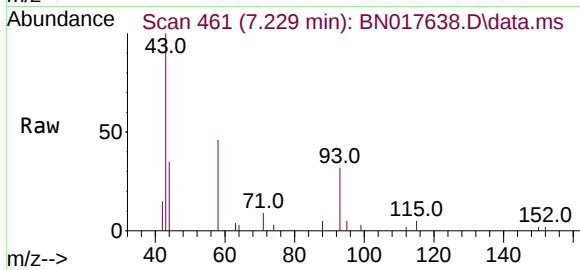




#6
bis(2-Chloroethyl)ether
Concen: 0.021 ng
RT: 7.229 min Scan# 458
Delta R.T. 0.028 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

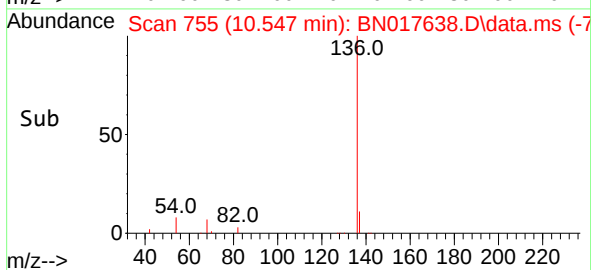
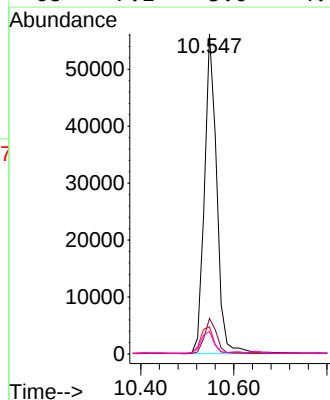
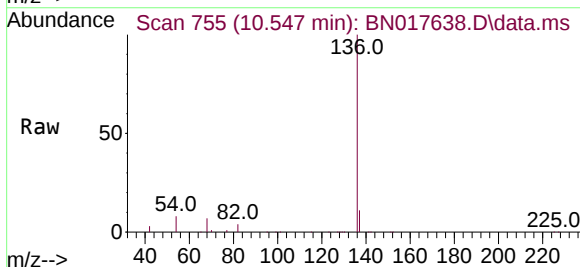
Instrument :
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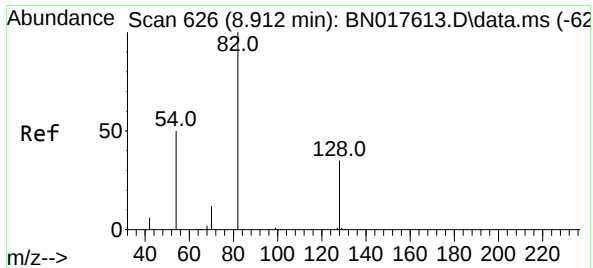
Tgt Ion: 93 Resp: 1456
Ion Ratio Lower Upper
93 100
63 5.8 65.8 98.6#
95 2.3 26.6 39.8#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.547 min Scan# 755
Delta R.T. 0.000 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

Tgt Ion: 136 Resp: 103425
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.5 4.0 6.0#
68 7.1 3.0 4.6#

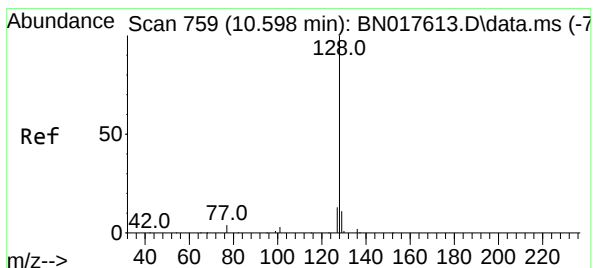
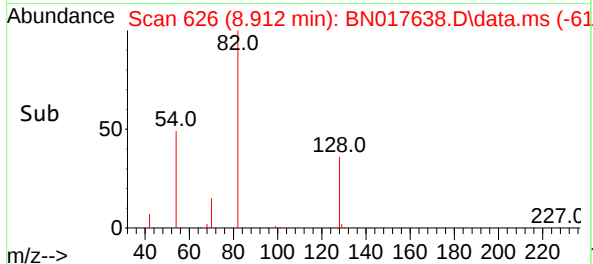
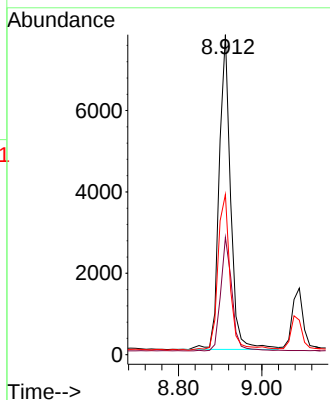
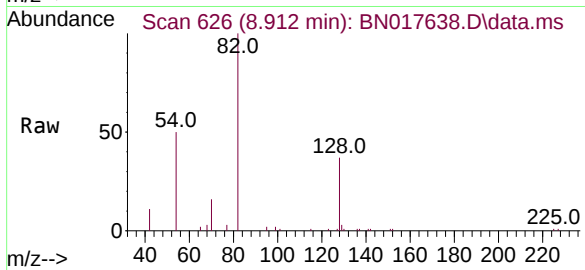




#8
Nitrobenzene-d5
Concen: 0.335 ng
RT: 8.912 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

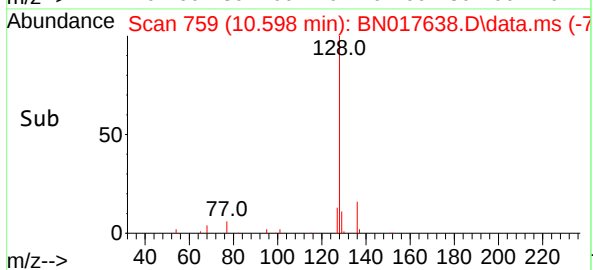
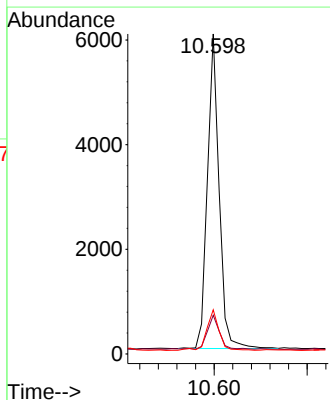
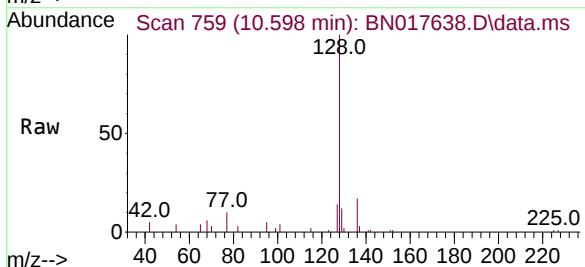
Instrument :
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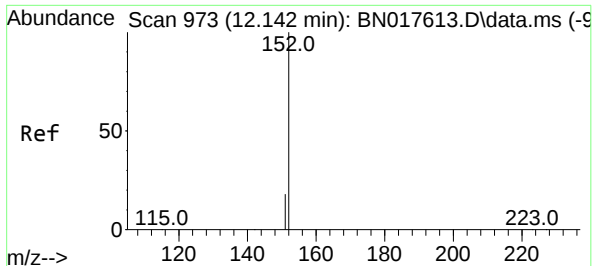
Tgt Ion: 82 Resp: 14726
Ion Ratio Lower Upper
82 100
128 36.6 27.7 41.5
54 50.1 49.2 73.8



#9
Naphthalene
Concen: 0.040 ng
RT: 10.598 min Scan# 759
Delta R.T. 0.000 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

Tgt Ion: 128 Resp: 10531
Ion Ratio Lower Upper
128 100
129 12.1 8.8 13.2
127 13.8 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.280 ng

RT: 12.137 min Scan# 91

Delta R.T. -0.005 min

Lab File: BN017638.D

Acq: 01 Dec 2021 07:22

Instrument :

BNA_N

ClientSampleId :

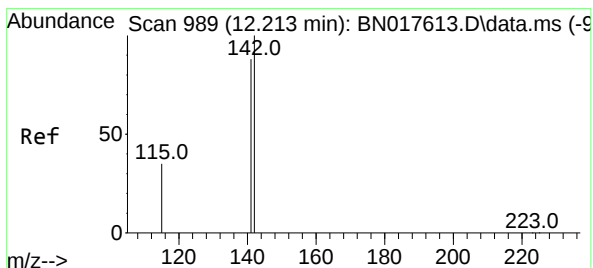
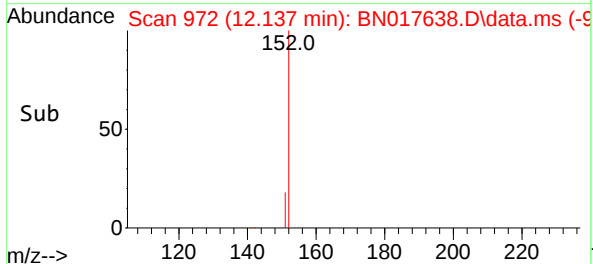
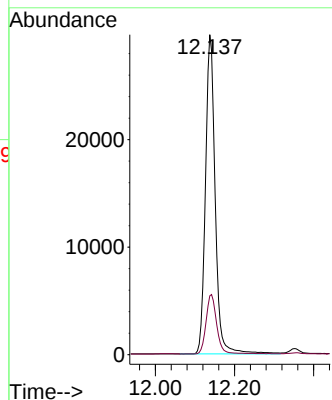
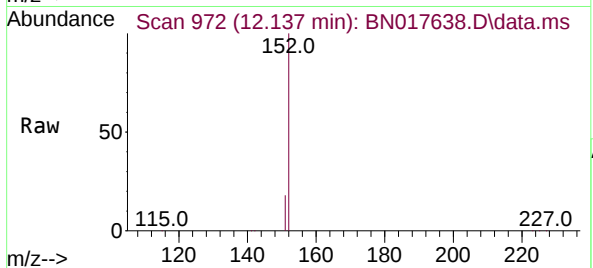
CS-3A

Tgt Ion:152 Resp: 50627

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.4



#12

2-Methylnaphthalene

Concen: 0.032 ng

RT: 12.209 min Scan# 988

Delta R.T. -0.004 min

Lab File: BN017638.D

Acq: 01 Dec 2021 07:22

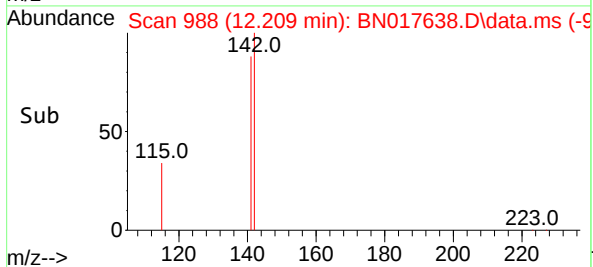
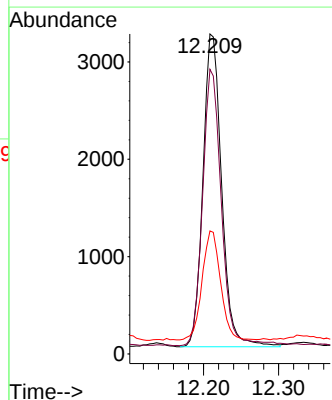
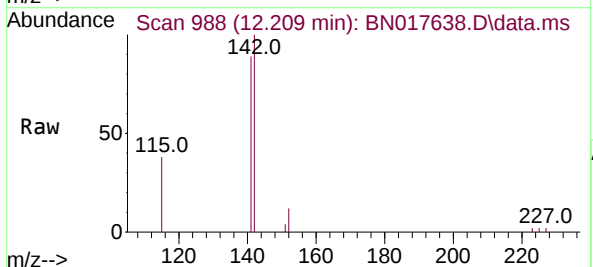
Tgt Ion:142 Resp: 5556

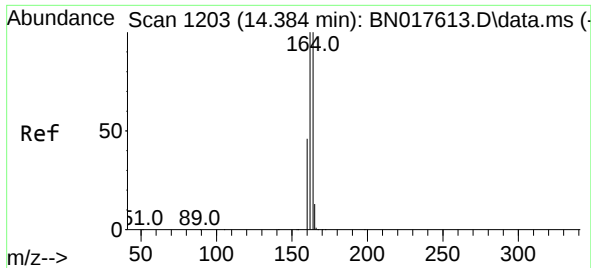
Ion Ratio Lower Upper

142 100

141 88.9 70.6 106.0

115 38.4 25.8 38.6

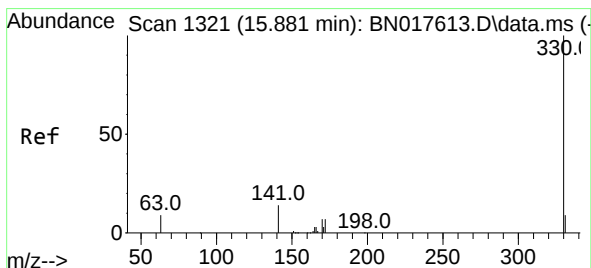
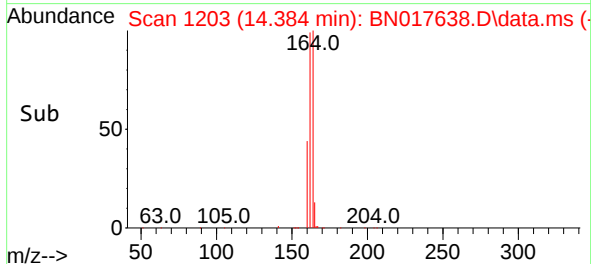
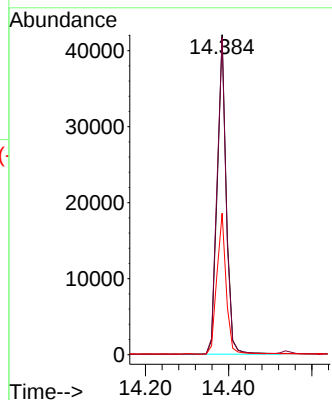
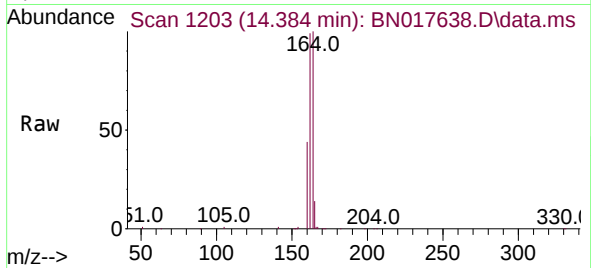




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.384 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

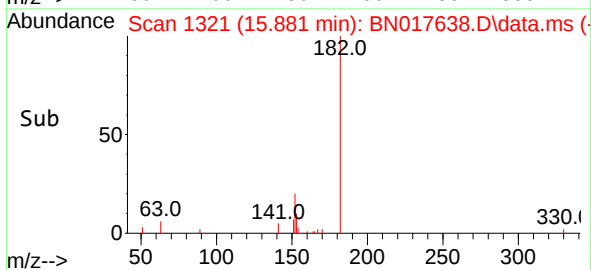
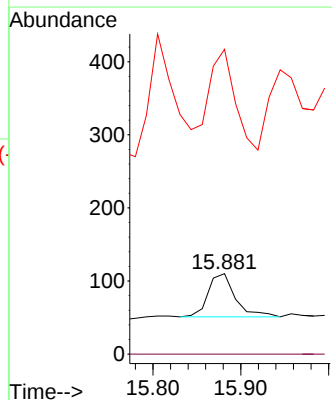
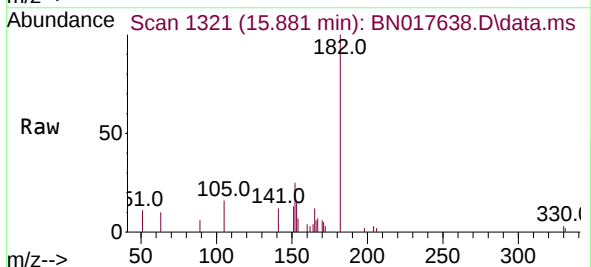
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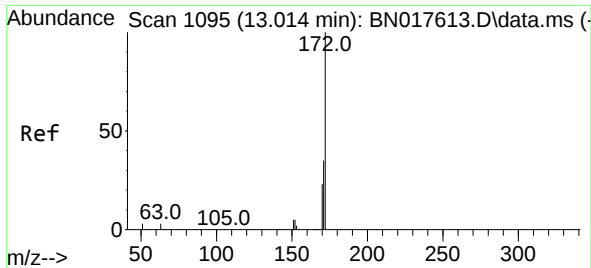
Tgt Ion:164 Resp: 63218
Ion Ratio Lower Upper
164 100
162 99.2 81.4 122.2
160 44.2 36.8 55.2



#14
2,4,6-Tribromophenol
Concen: 0.128 ng
RT: 15.881 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

Tgt Ion:330 Resp: 126
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 223.0 28.9 43.3#

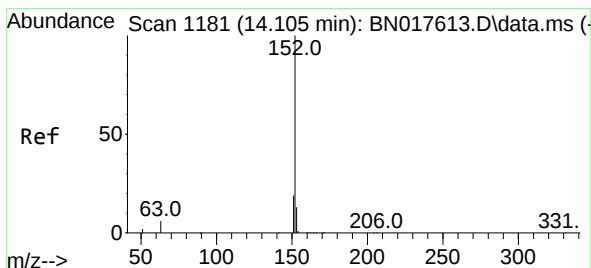
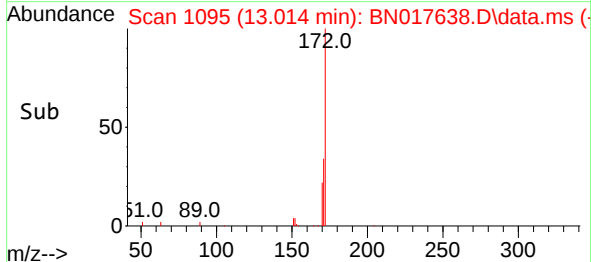
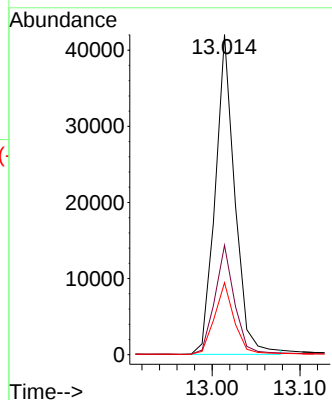
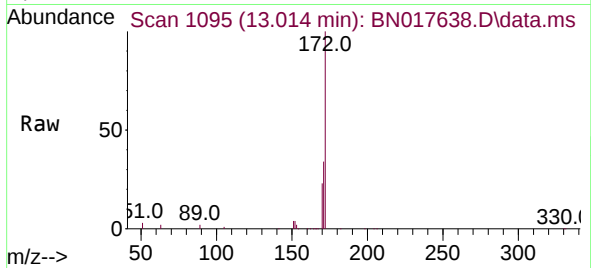




#15
2-Fluorobiphenyl
Concen: 0.265 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

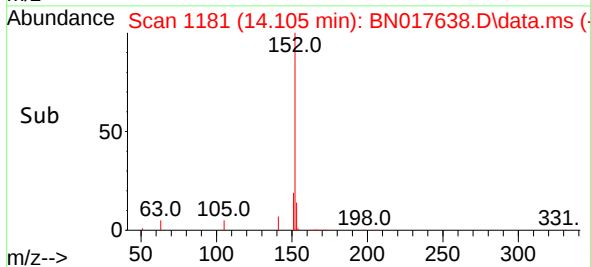
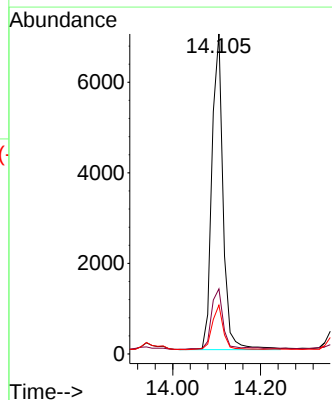
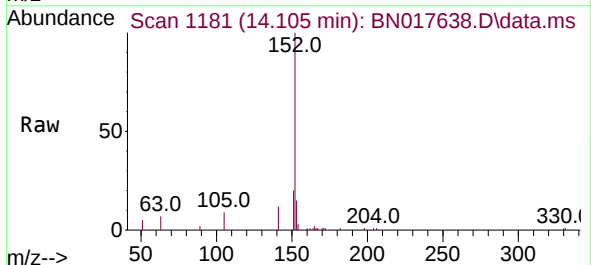
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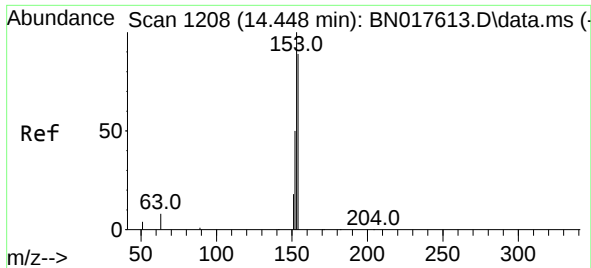
Tgt Ion:172 Resp: 65100
Ion Ratio Lower Upper
172 100
171 34.2 28.7 43.1
170 22.5 19.4 29.2



#16
Acenaphthylene
Concen: 0.050 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

Tgt Ion:152 Resp: 12267
Ion Ratio Lower Upper
152 100
151 21.6 15.5 23.3
153 14.1 10.4 15.6

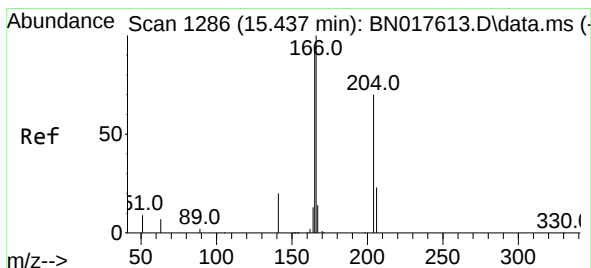
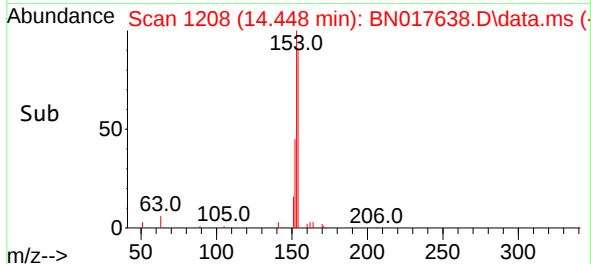
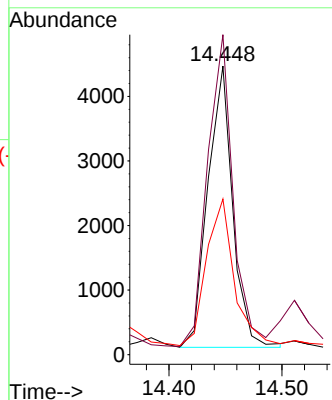
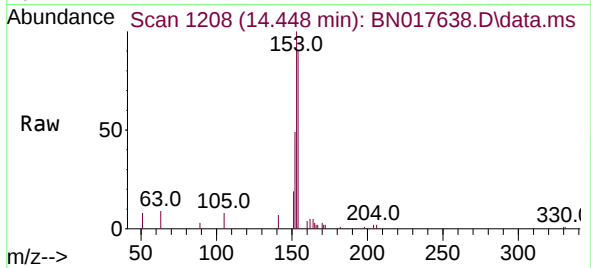




#17
Acenaphthene
Concen: 0.039 ng
RT: 14.448 min Scan# 1208
Delta R.T. -0.000 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

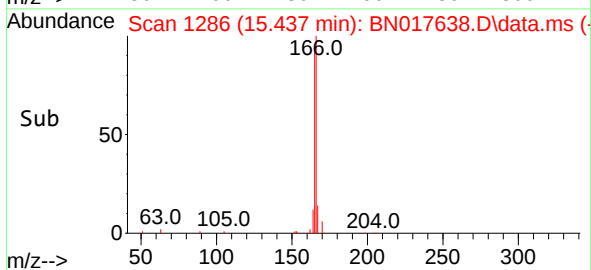
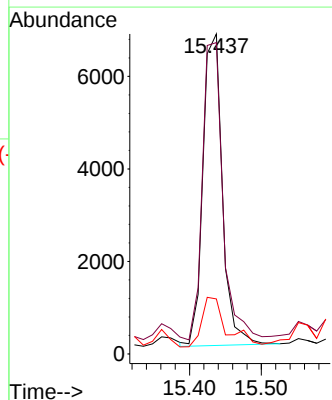
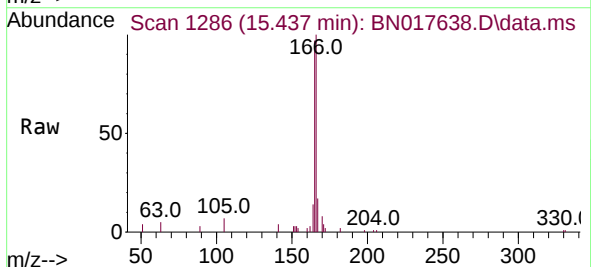
Instrument :
BNA_N
ClientSampleId :
CS-3A

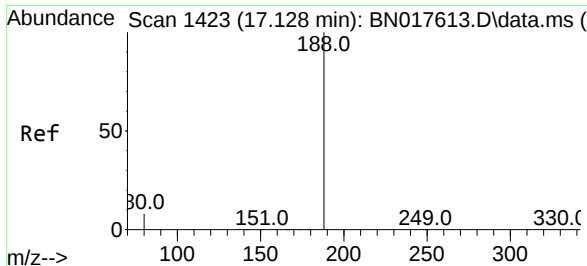
Tgt Ion:154 Resp: 6648
Ion Ratio Lower Upper
154 100
153 113.3 91.2 136.8
152 60.5 44.3 66.5



#18
Fluorene
Concen: 0.061 ng
RT: 15.437 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

Tgt Ion:166 Resp: 12686
Ion Ratio Lower Upper
166 100
165 100.3 77.9 116.9
167 20.4 10.9 16.3#

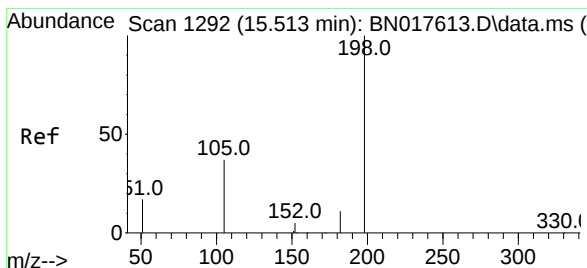
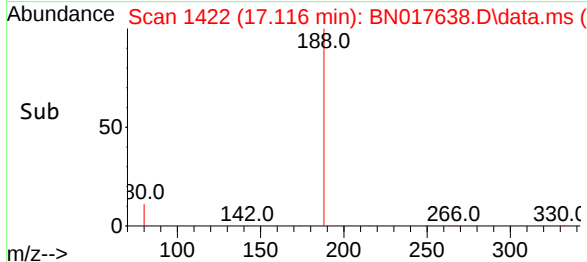
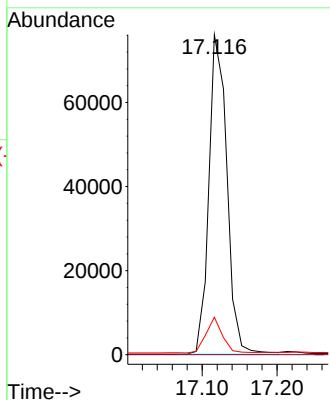
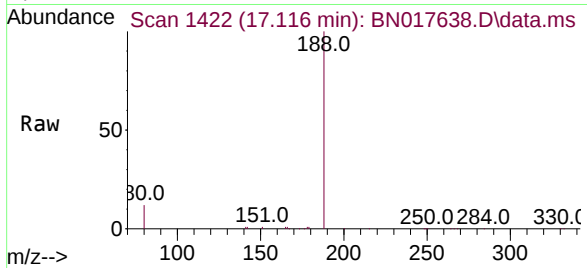




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.116 min Scan# 1423
Delta R.T. -0.012 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

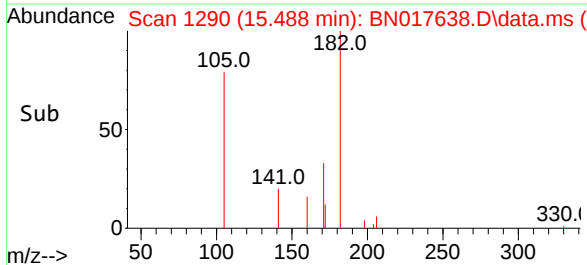
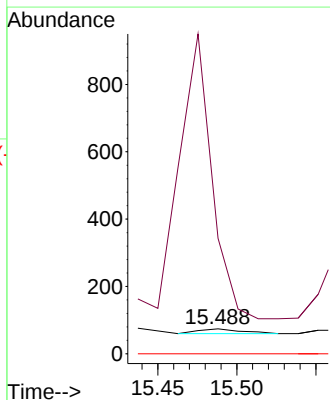
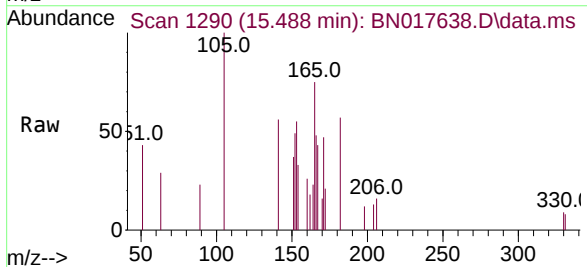
Instrument :
BNA_N
ClientSampleId :
CS-3A

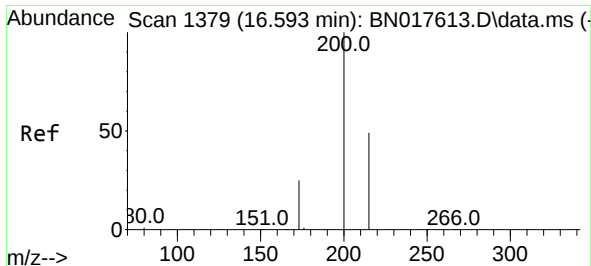
Tgt Ion:188 Resp: 127404
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.7 6.1 9.1#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.061 ng
RT: 15.488 min Scan# 1290
Delta R.T. -0.025 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

Tgt Ion:198 Resp: 27
Ion Ratio Lower Upper
198 100
182 463.5 11.4 17.2#
77 0.0 0.0 0.0

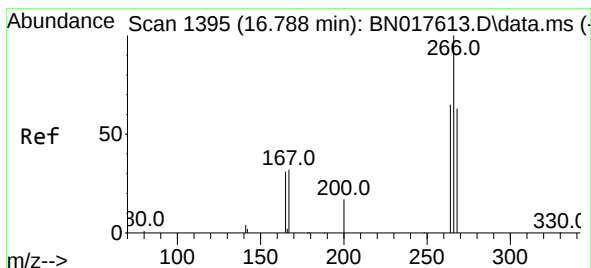
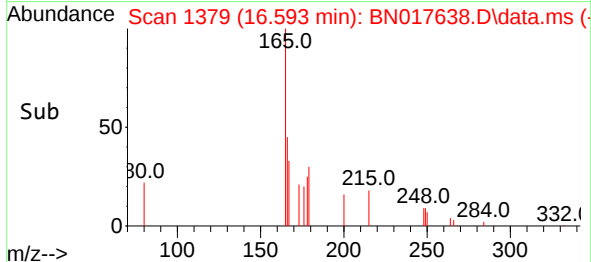
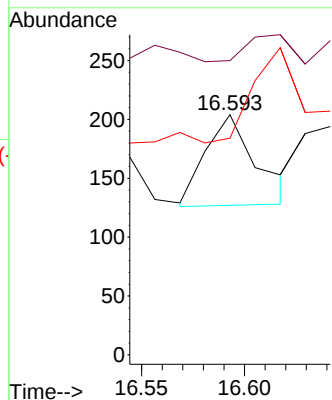
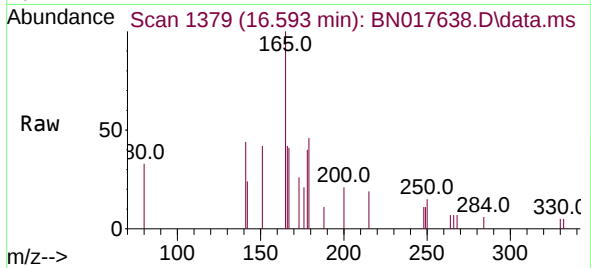




#23
 Atrazine
 Concen: 0.133 ng
 RT: 16.593 min Scan# 1379
 Delta R.T. -0.000 min
 Lab File: BN017638.D
 Acq: 01 Dec 2021 07:22

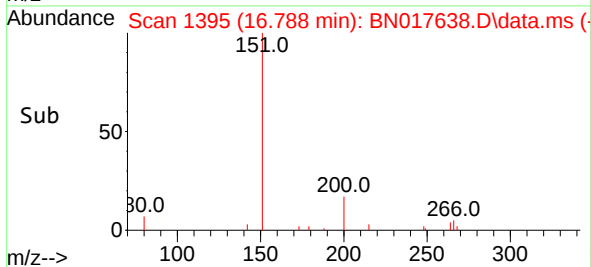
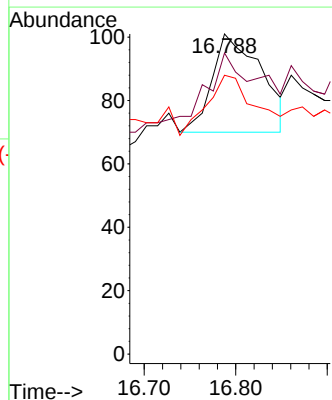
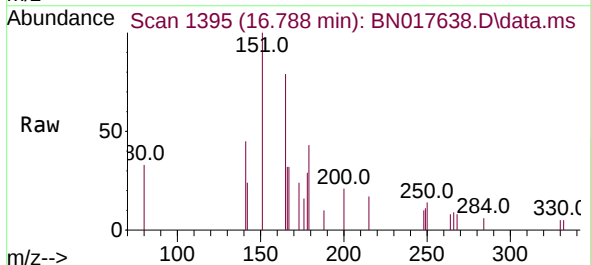
Instrument :
 BNA_N
 ClientSampleId :
 CS-3A

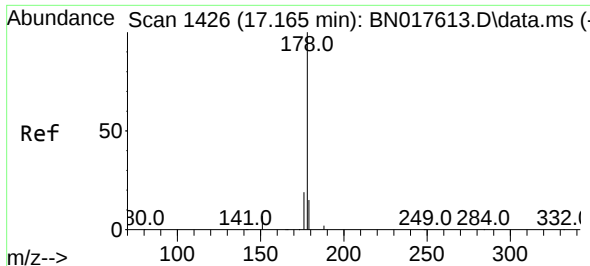
Tgt Ion:200 Resp: 132
 Ion Ratio Lower Upper
 200 100
 173 122.5 17.6 26.4#
 215 90.2 40.2 60.4#



#24
 Pentachlorophenol
 Concen: 0.195 ng
 RT: 16.788 min Scan# 1395
 Delta R.T. -0.000 min
 Lab File: BN017638.D
 Acq: 01 Dec 2021 07:22

Tgt Ion:266 Resp: 115
 Ion Ratio Lower Upper
 266 100
 264 73.9 49.8 74.8
 268 60.0 51.3 76.9

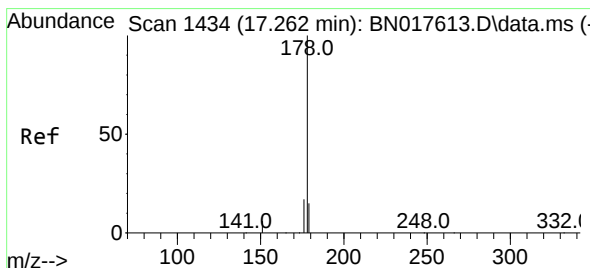
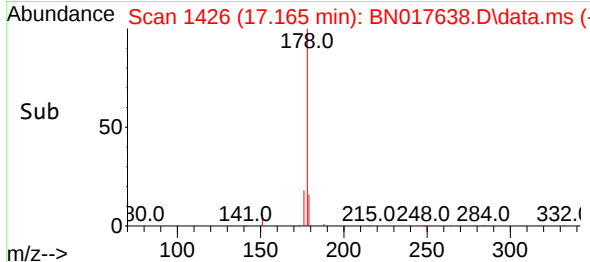
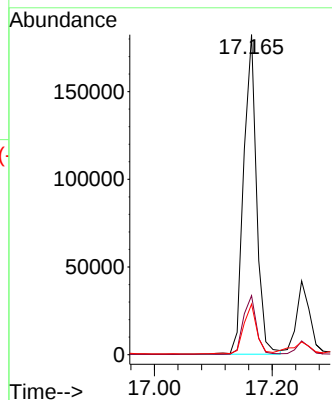
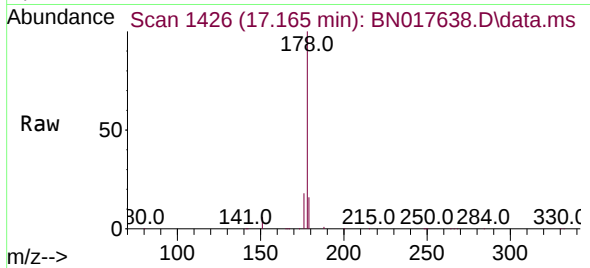




#25
Phenanthrene
Concen: 0.792 ng
RT: 17.165 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

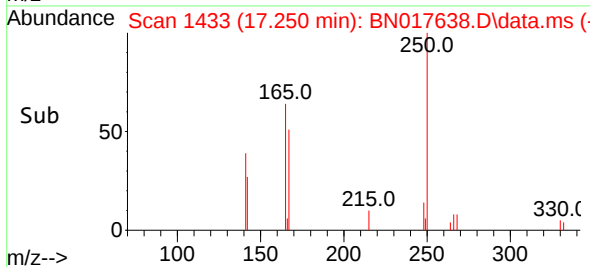
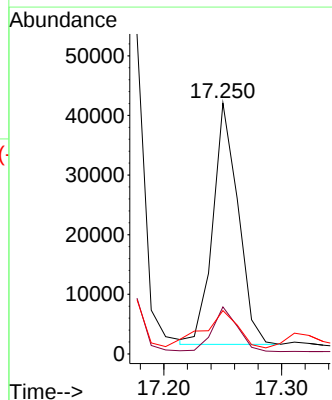
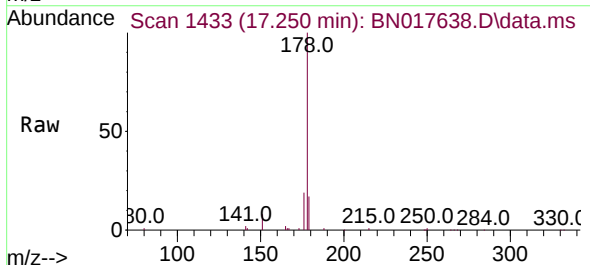
Instrument :
BNA_N
ClientSampleId :
CS-3A

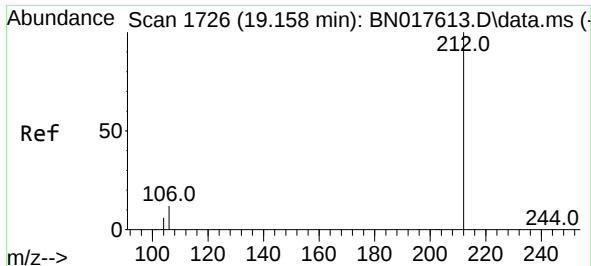
Tgt Ion:178 Resp: 276610
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.9 12.3 18.5



#26
Anthracene
Concen: 0.201 ng
RT: 17.250 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

Tgt Ion:178 Resp: 60431
Ion Ratio Lower Upper
178 100
176 19.8 14.6 22.0
179 21.4 12.2 18.4#

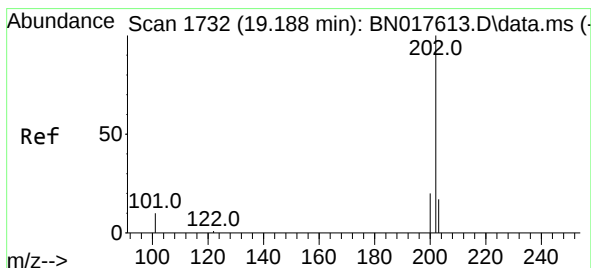
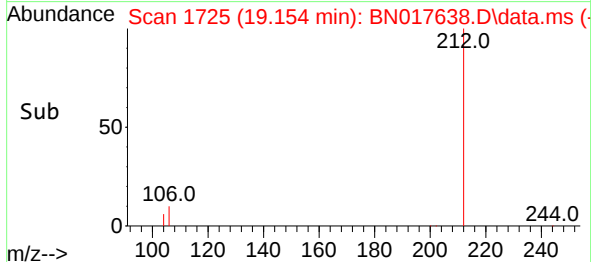
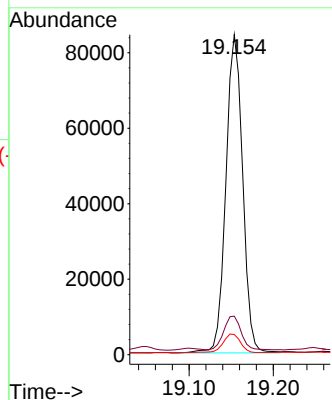
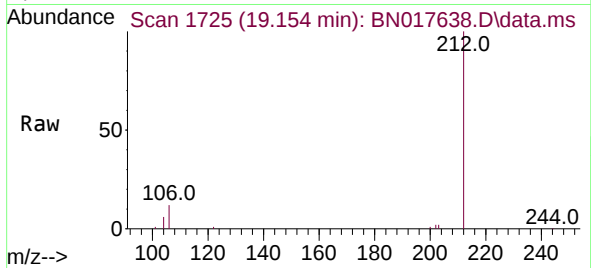




#27
Fluoranthene-d10
Concen: 0.292 ng
RT: 19.154 min Scan# 1725
Delta R.T. -0.004 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

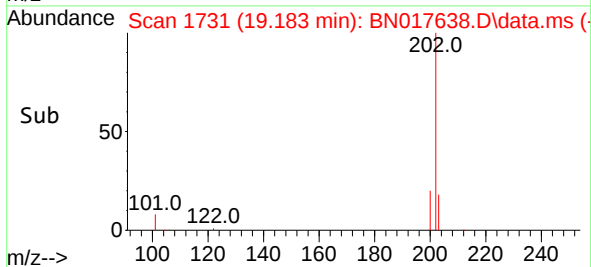
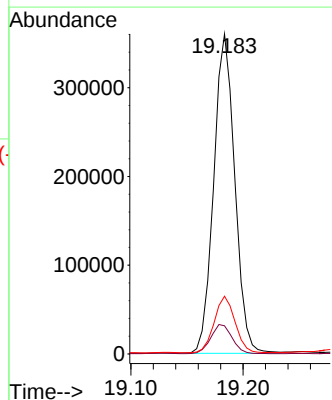
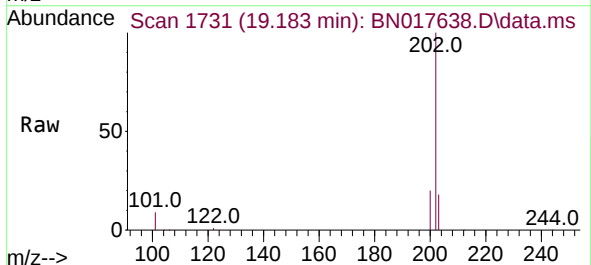
Instrument :
BNA_N
ClientSampleId :
CS-3A

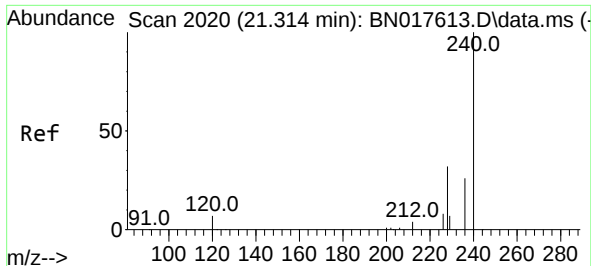
Tgt Ion:212 Resp: 116401
Ion Ratio Lower Upper
212 100
106 11.0 10.5 15.7
104 6.2 5.8 8.6



#28
Fluoranthene
Concen: 1.188 ng
RT: 19.183 min Scan# 1731
Delta R.T. -0.005 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

Tgt Ion:202 Resp: 469943
Ion Ratio Lower Upper
202 100
101 9.2 8.9 13.3
203 17.4 13.8 20.6

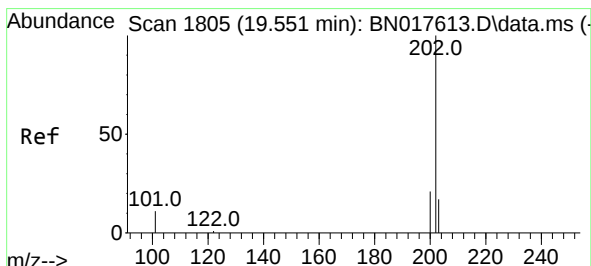
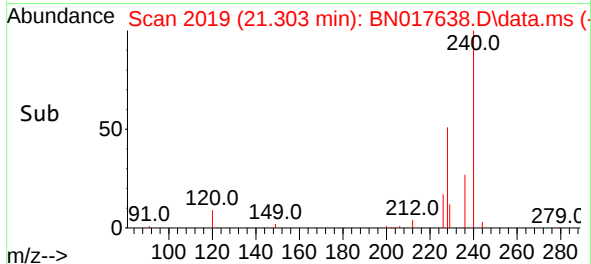
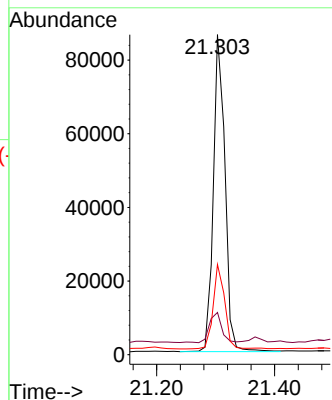
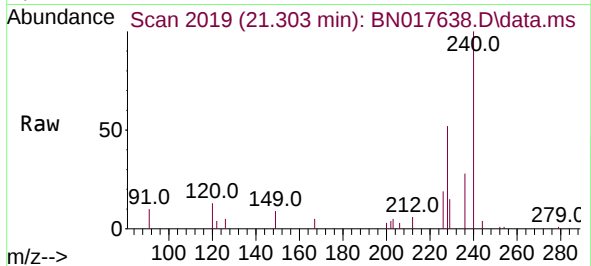




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.303 min Scan# 20
Delta R.T. -0.011 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

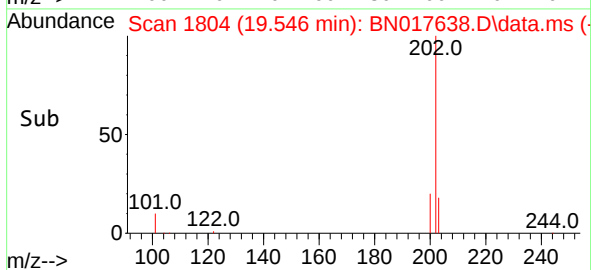
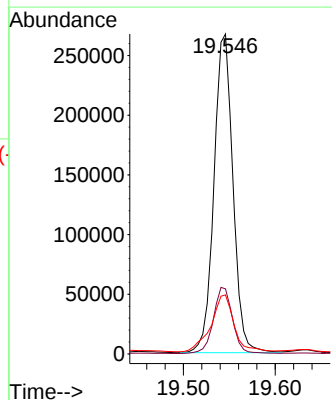
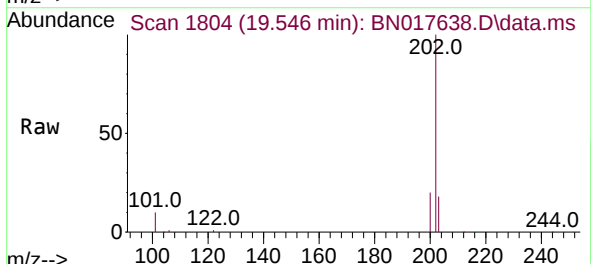
Instrument :
BNA_N
ClientSampleId :
CS-3A

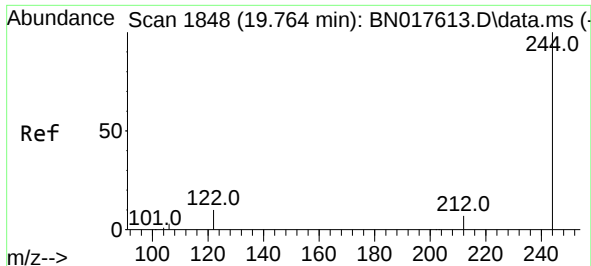
Tgt Ion:240 Resp: 117718
Ion Ratio Lower Upper
240 100
120 13.2 4.2 6.2#
236 28.2 20.0 30.0



#30
Pyrene
Concen: 1.013 ng
RT: 19.546 min Scan# 1804
Delta R.T. -0.005 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

Tgt Ion:202 Resp: 384787
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 21.6 14.0 21.0#

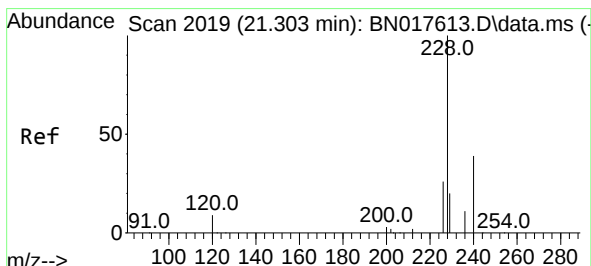
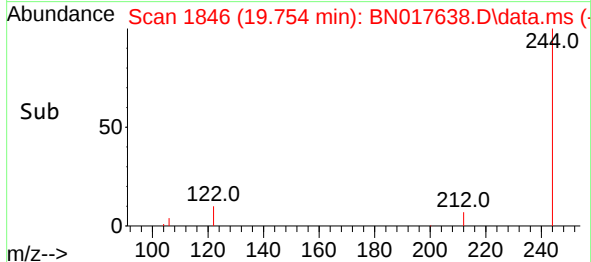
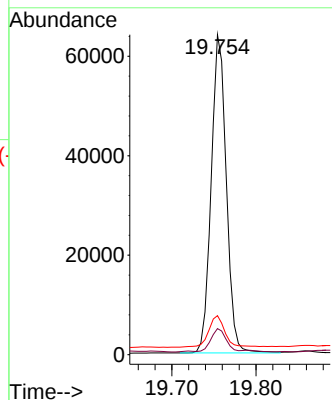
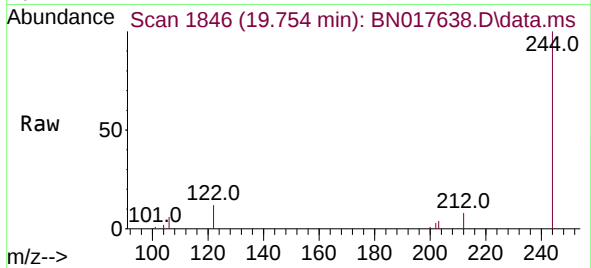




#31
 Terphenyl-d14
 Concen: 0.310 ng
 RT: 19.754 min Scan# 1846
 Delta R.T. -0.010 min
 Lab File: BN017638.D
 Acq: 01 Dec 2021 07:22

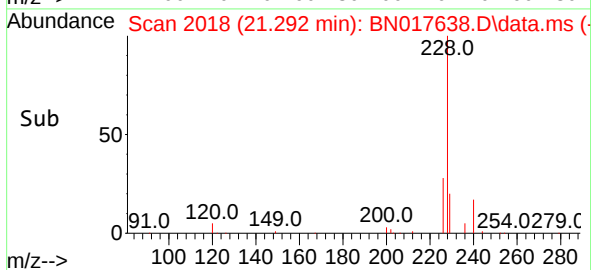
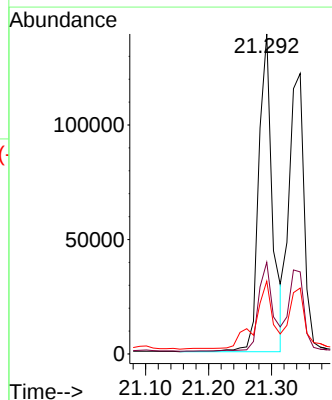
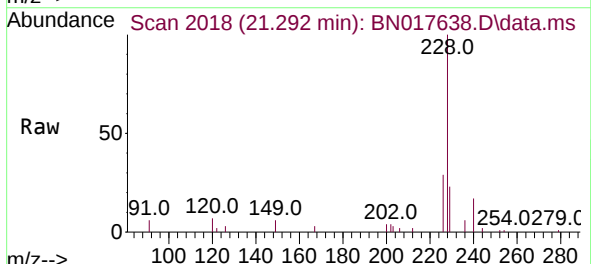
Instrument :
 BNA_N
 ClientSampleId :
 CS-3A

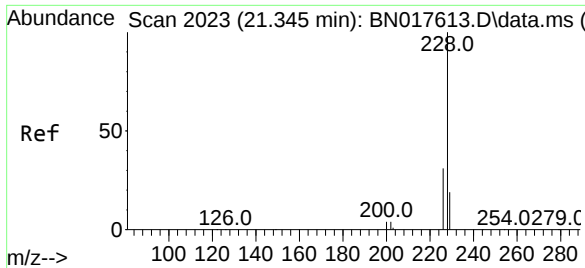
Tgt Ion:244 Resp: 79983
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.7 8.5
 122 12.2 8.6 13.0



#32
 Benzo(a)anthracene
 Concen: 0.587 ng
 RT: 21.292 min Scan# 2018
 Delta R.T. -0.011 min
 Lab File: BN017638.D
 Acq: 01 Dec 2021 07:22

Tgt Ion:228 Resp: 209949
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.3 31.9
 229 22.7 15.7 23.5





#33

Chrysene

Concen: 0.514 ng

RT: 21.292 min Scan# 20

Delta R.T. -0.053 min

Lab File: BN017638.D

Acq: 01 Dec 2021 07:22

Instrument :

BNA_N

ClientSampleId :

CS-3A

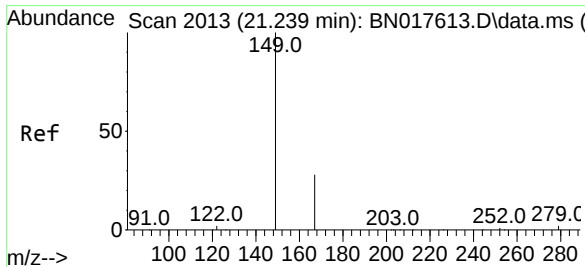
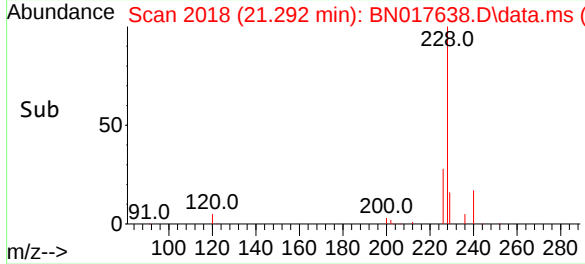
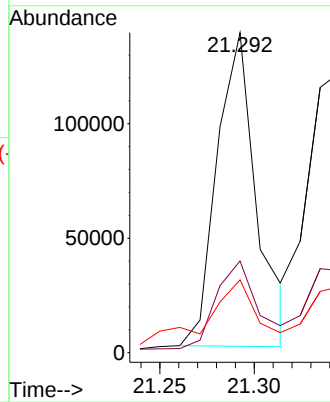
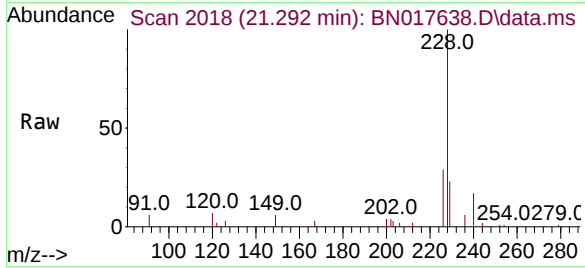
Tgt Ion:228 Resp: 200090

Ion Ratio Lower Upper

228 100

226 28.6 23.3 34.9

229 22.7 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.607 ng

RT: 21.239 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BN017638.D

Acq: 01 Dec 2021 07:22

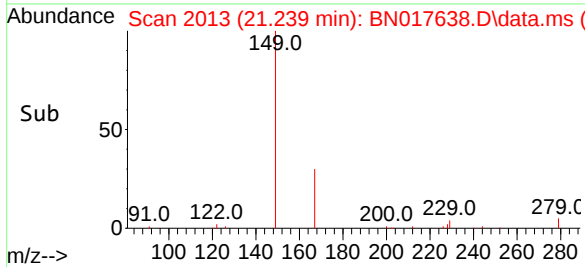
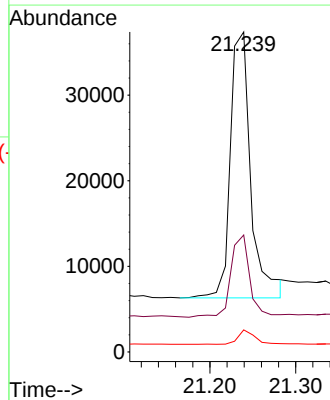
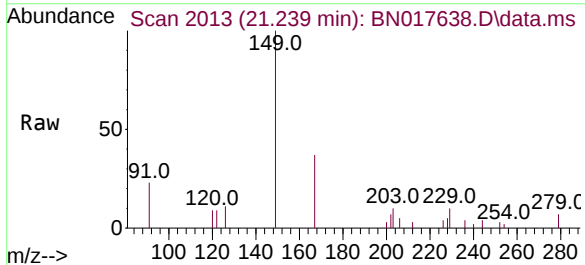
Tgt Ion:149 Resp: 51463

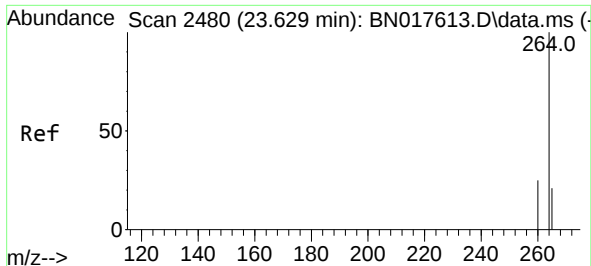
Ion Ratio Lower Upper

149 100

167 28.7 21.8 32.6

279 4.4 3.4 5.0

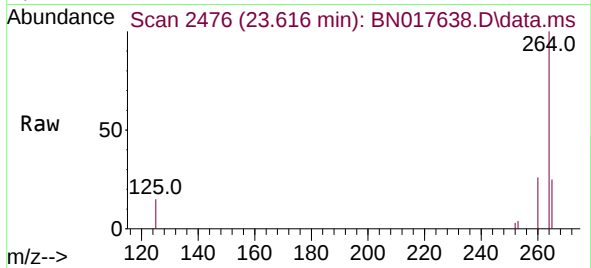




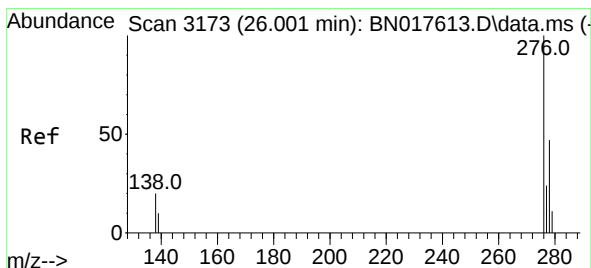
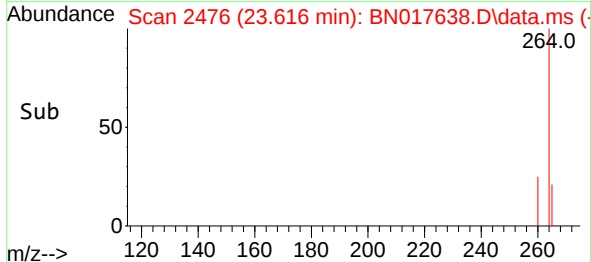
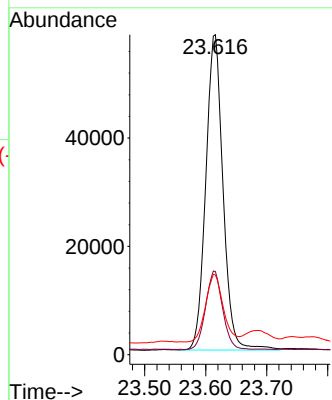
#35
Perylene-d12

Concen: 0.400 ng
RT: 23.616 min Scan# 2480
Delta R.T. -0.014 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

Instrument :
BNA_N
ClientSampleId :
CS-3A

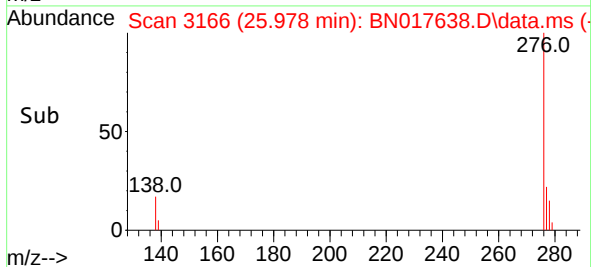
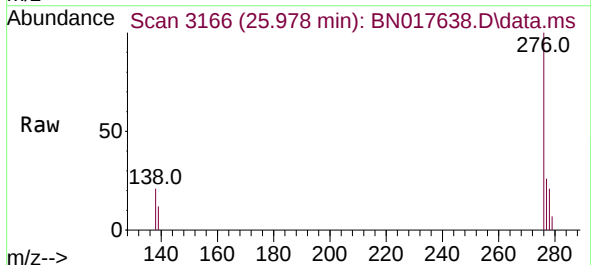
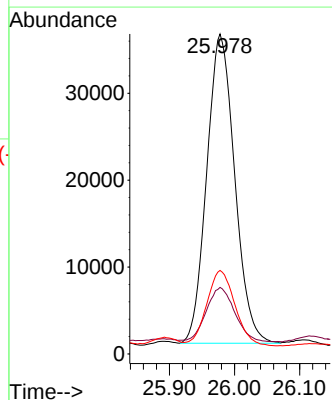


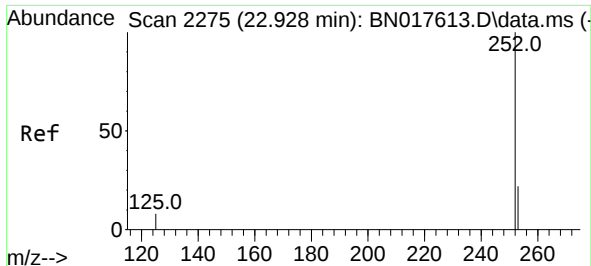
Tgt Ion:264 Resp: 114476
Ion Ratio Lower Upper
264 100
260 26.0 19.4 29.2
265 24.9 18.6 28.0



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.285 ng
RT: 25.978 min Scan# 3166
Delta R.T. -0.024 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

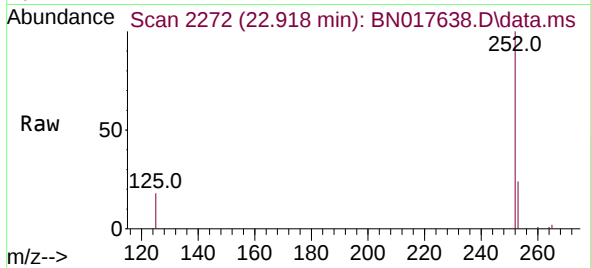
Tgt Ion:276 Resp: 106078
Ion Ratio Lower Upper
276 100
138 17.9 19.7 29.5#
277 24.8 20.0 30.0



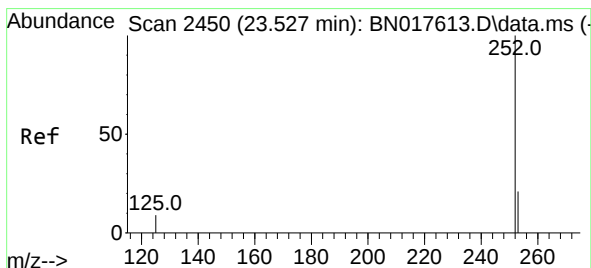
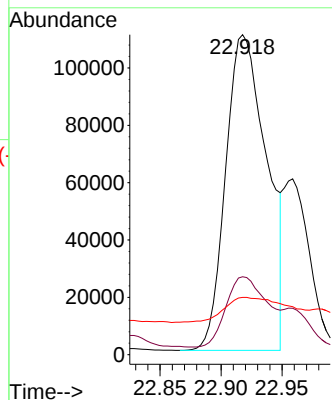


#37
Benzo(b)fluoranthene
Concen: 0.681 ng
RT: 22.918 min Scan# 21
Delta R.T. -0.010 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

Instrument :
BNA_N
ClientSampleId :
CS-3A

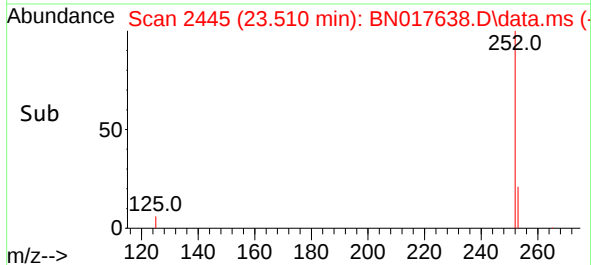
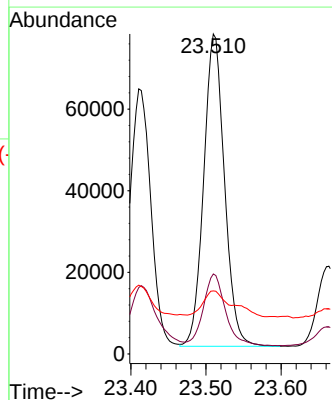
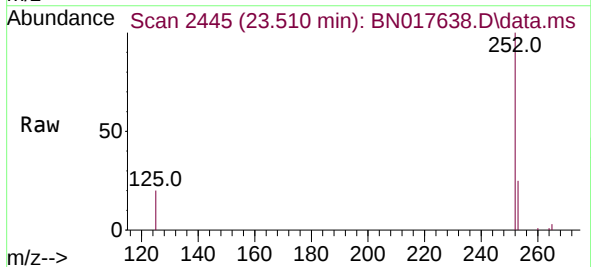


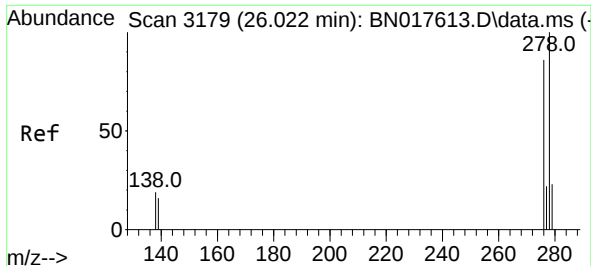
Tgt Ion:252 Resp: 258338
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 17.9 7.8 11.8#



#39
Benzo(a)pyrene
Concen: 0.434 ng
RT: 23.510 min Scan# 2445
Delta R.T. -0.017 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

Tgt Ion:252 Resp: 147358
Ion Ratio Lower Upper
252 100
253 25.0 17.9 26.9
125 19.7 9.2 13.8#

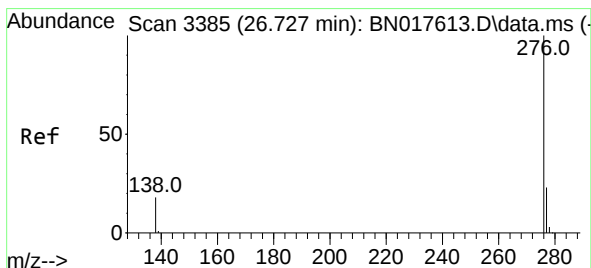
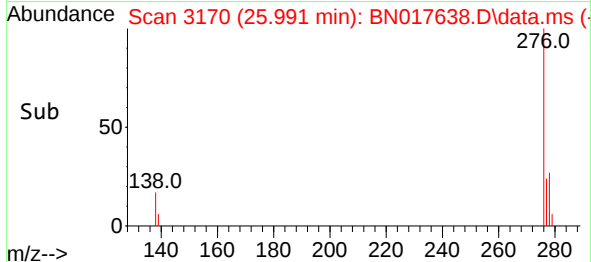
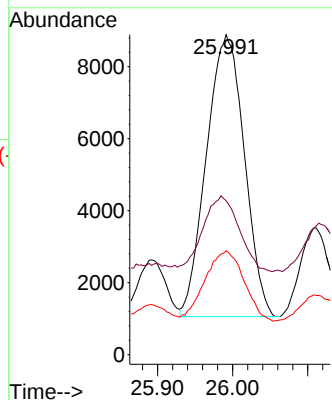
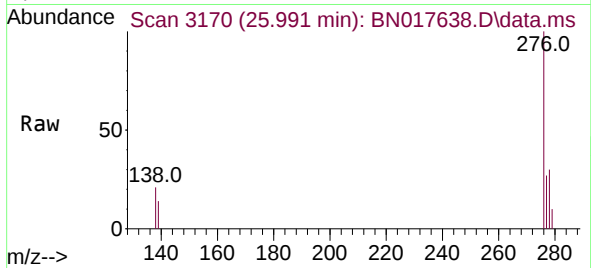




#40
Dibenzo(a,h)anthracene
Concen: 0.090 ng
RT: 25.991 min Scan# 3170
Delta R.T. -0.031 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

Instrument :
BNA_N
ClientSampleId :
CS-3A

Tgt Ion:278 Resp: 27430
Ion Ratio Lower Upper
278 100
139 48.1 13.0 19.6#
279 32.5 19.2 28.8#



#41
Benzo(g,h,i)perylene
Concen: 0.324 ng
RT: 26.707 min Scan# 3379
Delta R.T. -0.020 min
Lab File: BN017638.D
Acq: 01 Dec 2021 07:22

Tgt Ion:276 Resp: 101101
Ion Ratio Lower Upper
276 100
277 25.6 19.0 28.4
138 19.9 17.1 25.7

