

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017643.D
 Acq On : 01 Dec 2021 10:22
 Operator : CG/JU
 Sample : M4862-09
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-5B

Quant Time: Dec 01 10:52:15 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)

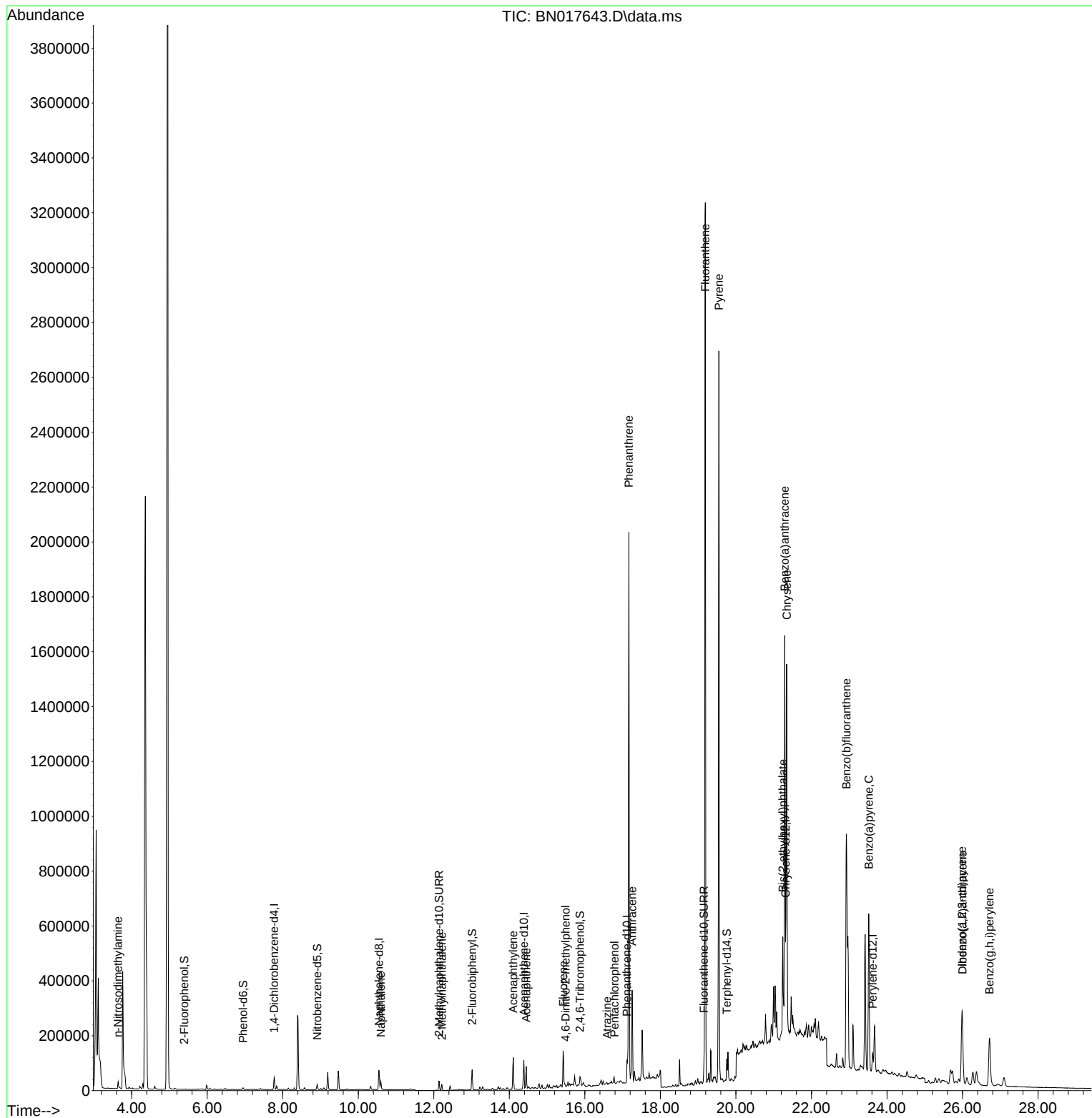
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.773	152	22902	0.400	ng	0.00
7) Naphthalene-d8	10.547	136	95767	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	60009	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	120483	0.400	ng	#-0.01
29) Chrysene-d12	21.314	240	102664	0.400	ng	# 0.00
35) Perylene-d12	23.619	264	95448	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.394	112	1320	0.025	ng	0.03
5) Phenol-d6	6.952	99	6393	0.116	ng	0.00
8) Nitrobenzene-d5	8.913	82	16571	0.408	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	49423	0.296	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	202	0.130	ng	-0.01
15) 2-Fluorobiphenyl	13.014	172	65121	0.279	ng	0.00
27) Fluoranthene-d10	19.154	212	110849	0.294	ng	0.00
31) Terphenyl-d14	19.754	244	83078	0.369	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.642	42	6988	0.325	ng	# 1
9) Naphthalene	10.598	128	38245	0.158	ng	99
12) 2-Methylnaphthalene	12.213	142	16123	0.101	ng	98
16) Acenaphthylene	14.105	152	133775	0.572	ng	99
17) Acenaphthene	14.448	154	41275	0.255	ng	99
18) Fluorene	15.425	166	97223	0.494	ng	# 95
20) 4,6-Dinitro-2-methylph...	15.488	198	166	0.088	ng	# 1
23) Atrazine	16.593	200	280	0.136	ng	# 1
24) Pentachlorophenol	16.788	266	470	0.203	ng	# 63
25) Phenanthrene	17.165	178	2041931	6.179	ng	99
26) Anthracene	17.250	178	346499	1.220	ng	# 91
28) Fluoranthene	19.188	202	3100748	8.292	ng	97
30) Pyrene	19.551	202	2533324	7.644	ng	# 96
32) Benzo(a)anthracene	21.293	228	1261667	4.046	ng	96
33) Chrysene	21.346	228	1262805	3.723	ng	96
34) Bis(2-ethylhexyl)phtha...	21.239	149	352129	4.761	ng	95
36) Indeno(1,2,3-cd)pyrene	25.988	276	469018	1.513	ng	# 91
37) Benzo(b)fluoranthene	22.925	252	1584313	5.005	ng	# 93
39) Benzo(a)pyrene	23.517	252	870664	3.073	ng	# 92
40) Dibenzo(a,h)anthracene	25.998	278	117304	0.463	ng	# 74
41) Benzo(g,h,i)perylene	26.714	276	397819	1.527	ng	96

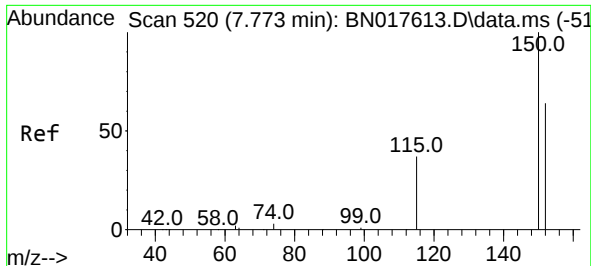
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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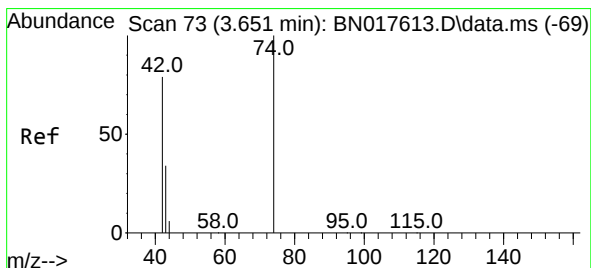
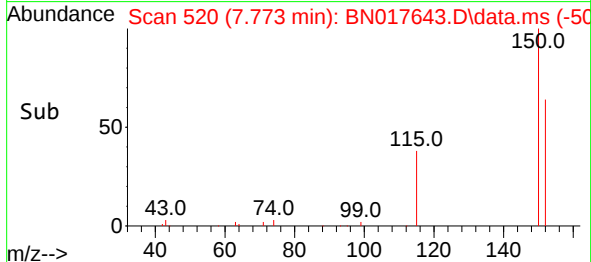
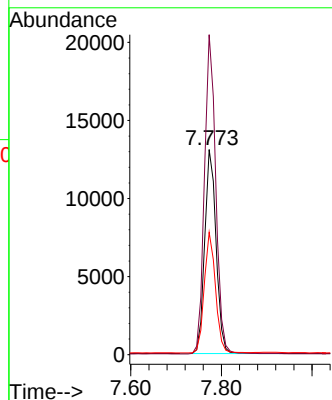
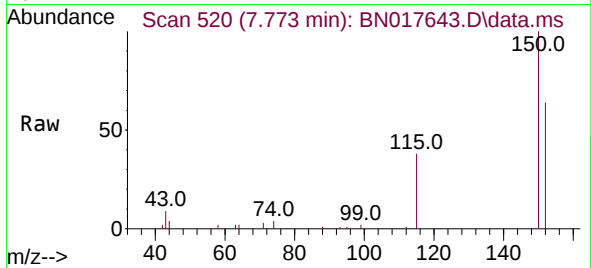




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

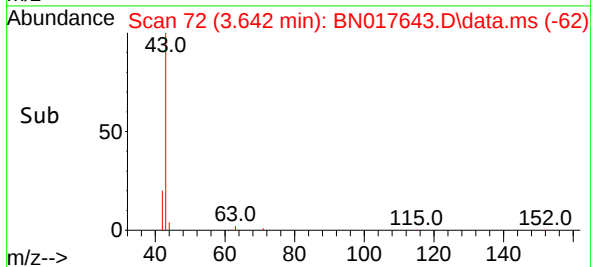
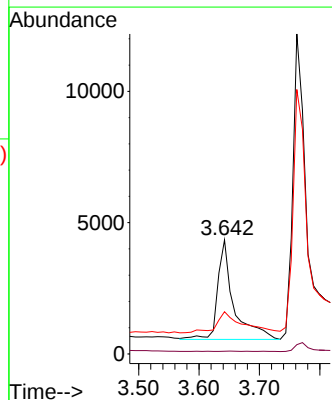
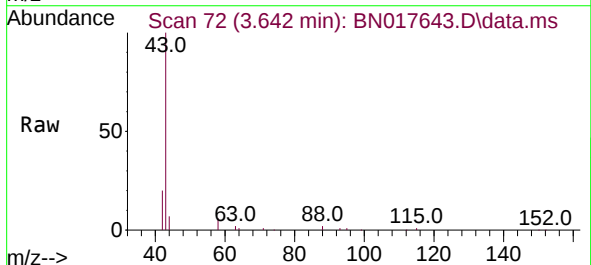
Instrument :
BNA_N
ClientSampleId :
CS-5B

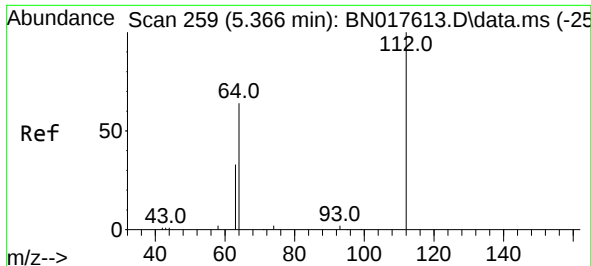
Tgt Ion:152 Resp: 22902
Ion Ratio Lower Upper
152 100
150 156.0 123.0 184.4
115 59.7 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.325 ng
RT: 3.642 min Scan# 72
Delta R.T. -0.009 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

Tgt Ion: 42 Resp: 6988
Ion Ratio Lower Upper
42 100
74 0.2 97.8 146.6#
44 34.4 5.5 8.3#

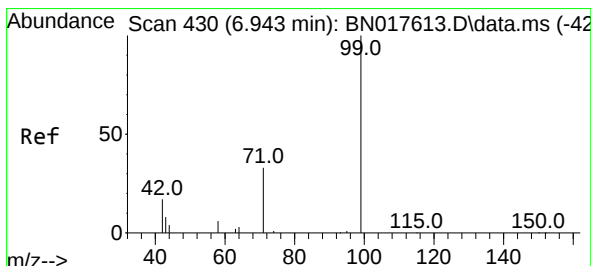
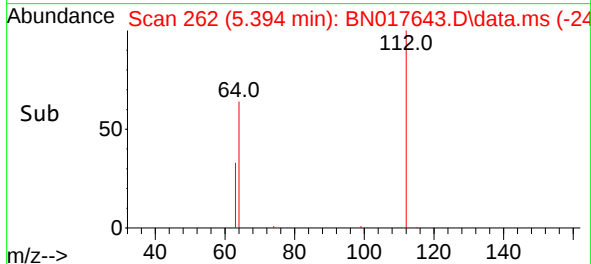
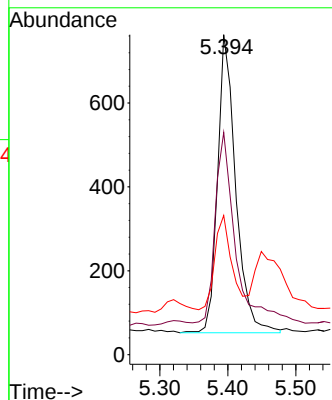
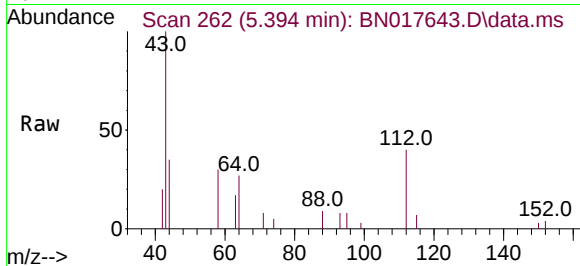




#4
2-Fluorophenol
Concen: 0.025 ng
RT: 5.394 min Scan# 210
Delta R.T. 0.028 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

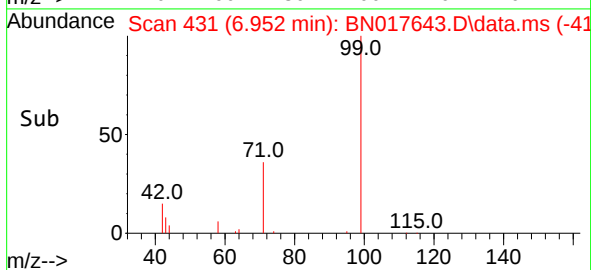
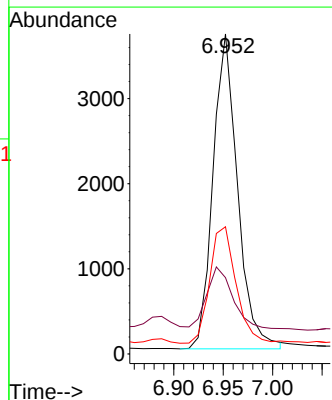
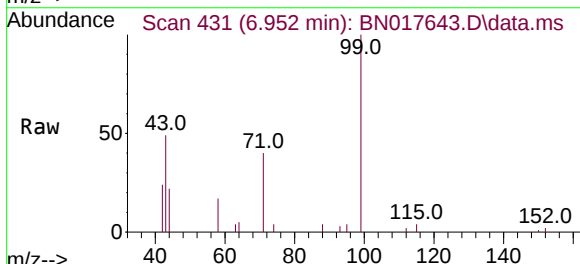
Instrument :
BNA_N
ClientSampleId :
CS-5B

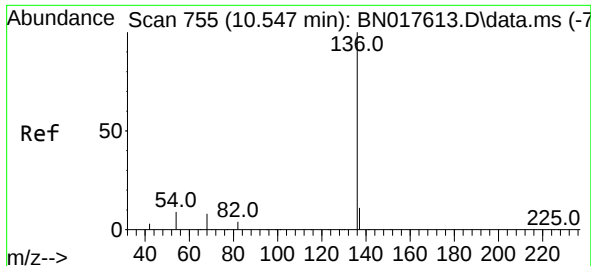
Tgt Ion:112 Resp: 1320
Ion Ratio Lower Upper
112 100
64 68.8 47.6 71.4
63 28.9 24.6 37.0



#5
Phenol-d6
Concen: 0.116 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.009 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

Tgt Ion: 99 Resp: 6393
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 39.4 24.8 37.2#

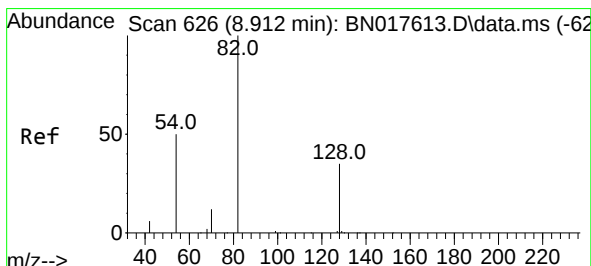
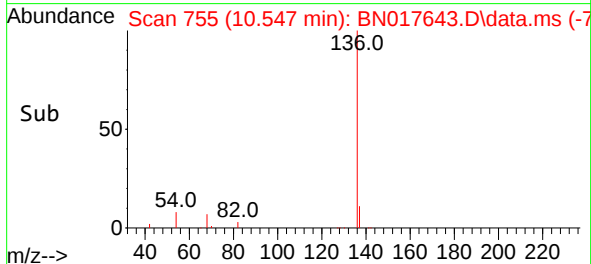
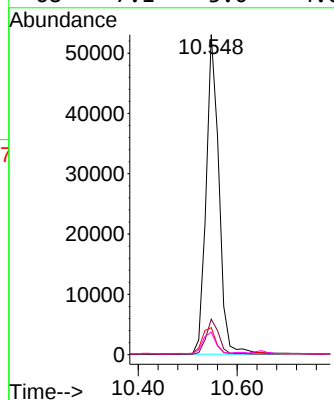
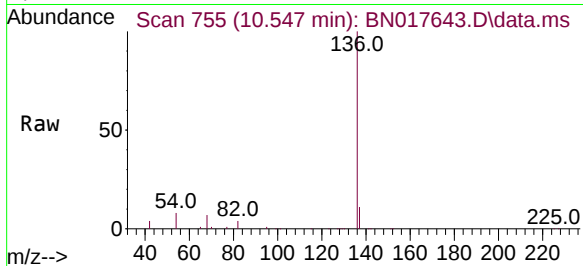




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.547 min Scan# 755
Delta R.T. 0.000 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

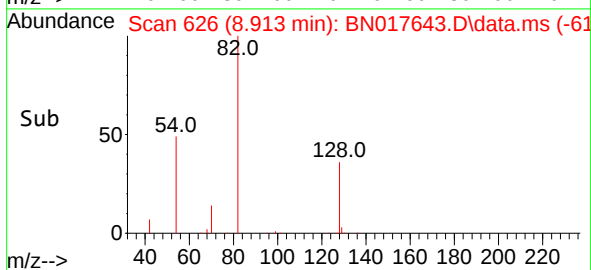
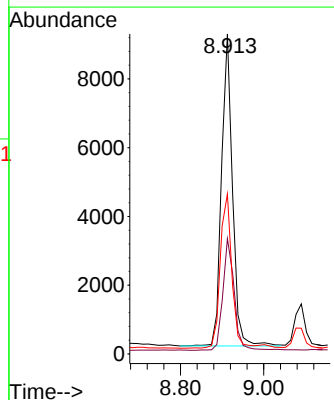
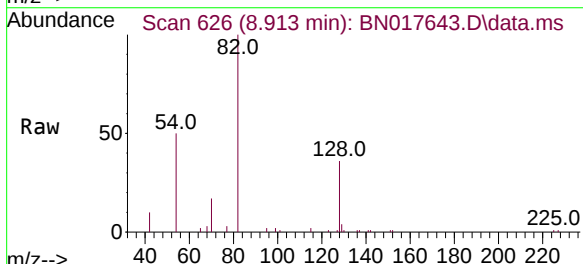
Instrument :
BNA_N
ClientSampleId :
CS-5B

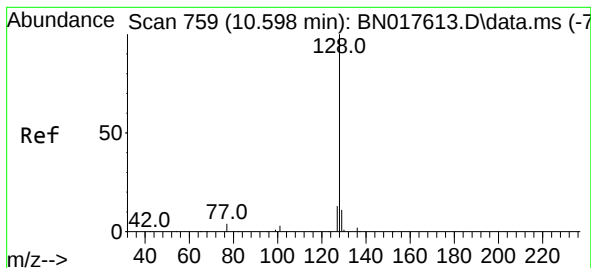
Tgt Ion:136 Resp: 95767
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.4 4.0 6.0#
68 7.1 3.0 4.6#



#8
Nitrobenzene-d5
Concen: 0.408 ng
RT: 8.913 min Scan# 626
Delta R.T. 0.001 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

Tgt Ion: 82 Resp: 16571
Ion Ratio Lower Upper
82 100
128 36.1 27.7 41.5
54 50.0 49.2 73.8





#9

Naphthalene

Concen: 0.158 ng

RT: 10.598 min Scan# 71

Delta R.T. 0.000 min

Lab File: BN017643.D

Acq: 01 Dec 2021 10:22

Instrument :

BNA_N

ClientSampleId :

CS-5B

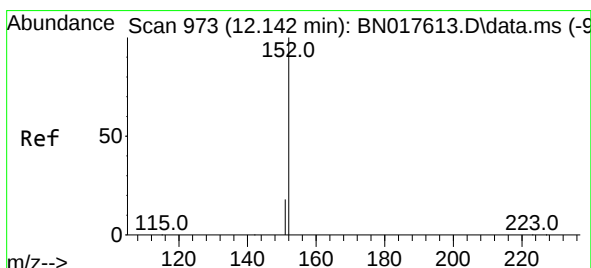
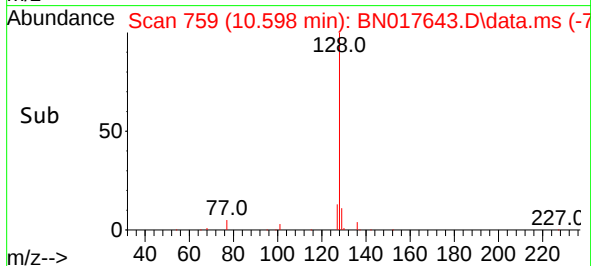
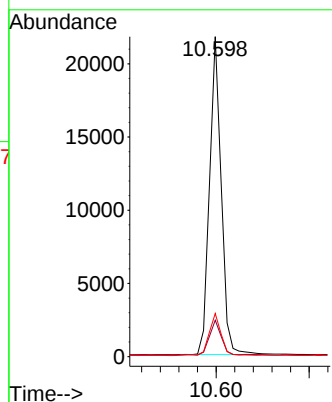
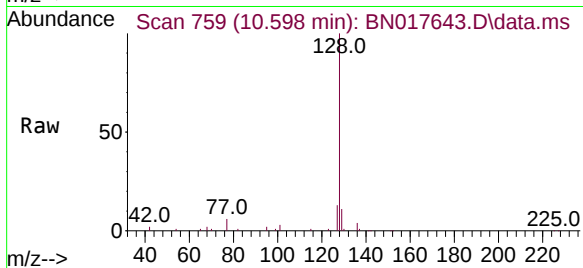
Tgt Ion:128 Resp: 38245

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

127 13.5 10.6 15.8



#11

2-Methylnaphthalene-d10

Concen: 0.296 ng

RT: 12.138 min Scan# 972

Delta R.T. -0.004 min

Lab File: BN017643.D

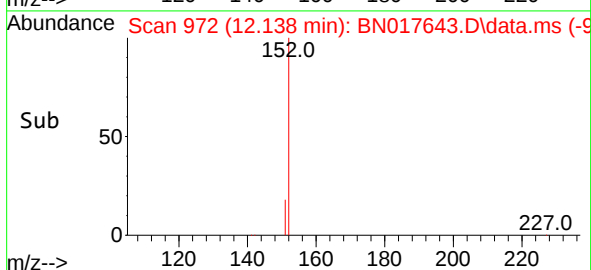
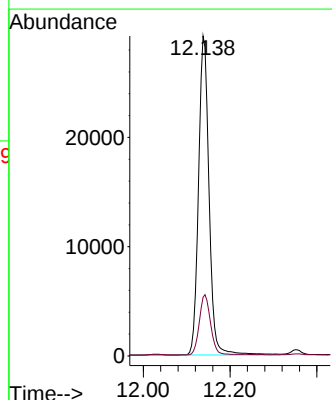
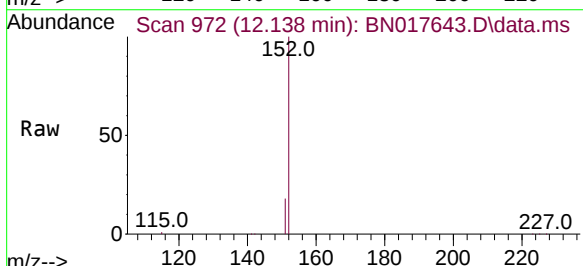
Acq: 01 Dec 2021 10:22

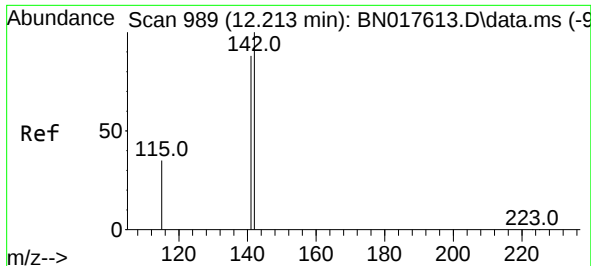
Tgt Ion:152 Resp: 49423

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.101 ng

RT: 12.213 min Scan# 989

Delta R.T. 0.000 min

Lab File: BN017643.D

Acq: 01 Dec 2021 10:22

Instrument :

BNA_N

ClientSampleId :

CS-5B

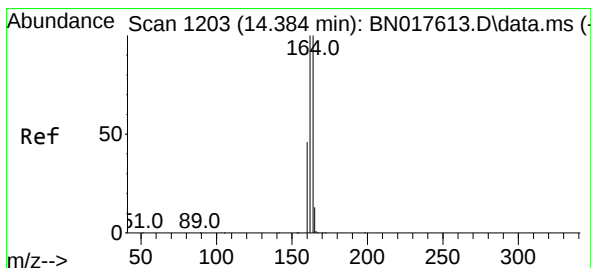
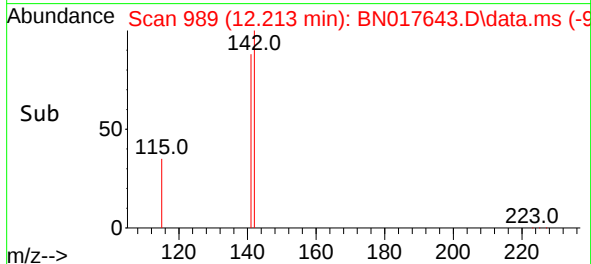
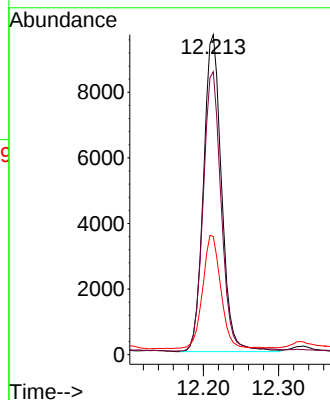
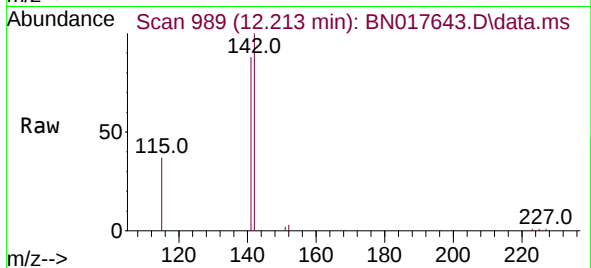
Tgt Ion:142 Resp: 16123

Ion Ratio Lower Upper

142 100

141 88.4 70.6 106.0

115 36.9 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: BN017643.D

Acq: 01 Dec 2021 10:22

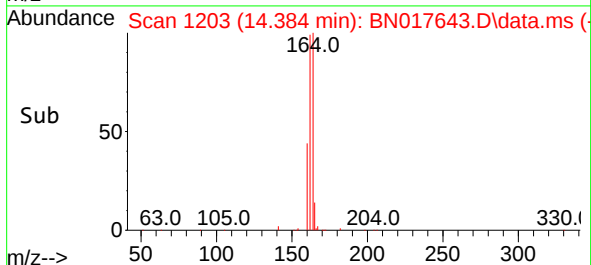
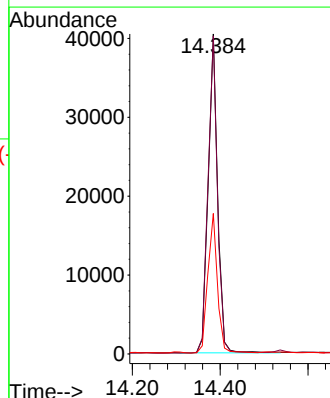
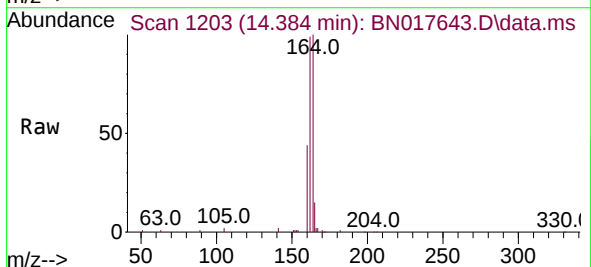
Tgt Ion:164 Resp: 60009

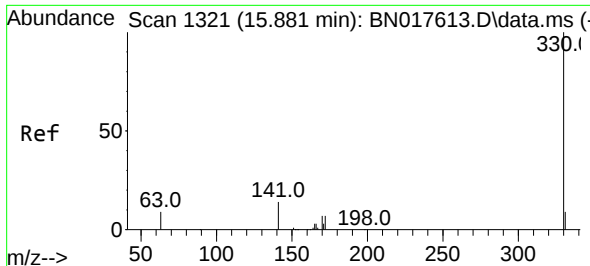
Ion Ratio Lower Upper

164 100

162 99.4 81.4 122.2

160 43.9 36.8 55.2

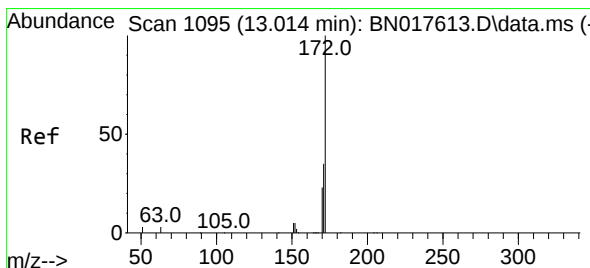
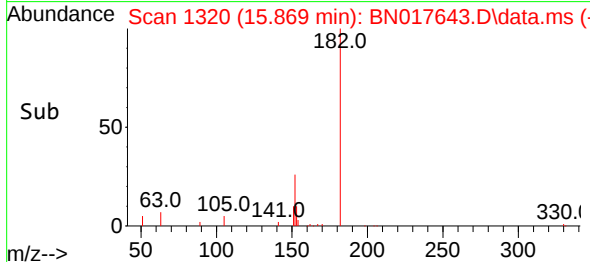
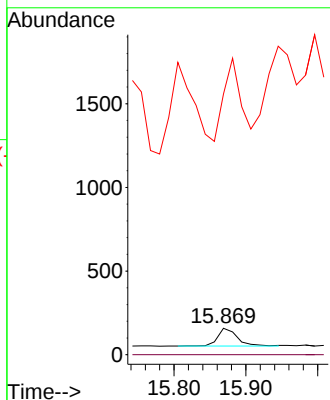
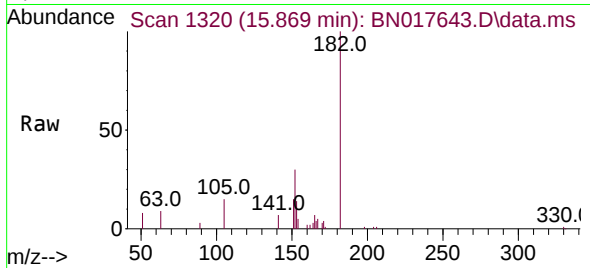




#14
2,4,6-Tribromophenol
Concen: 0.130 ng
RT: 15.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

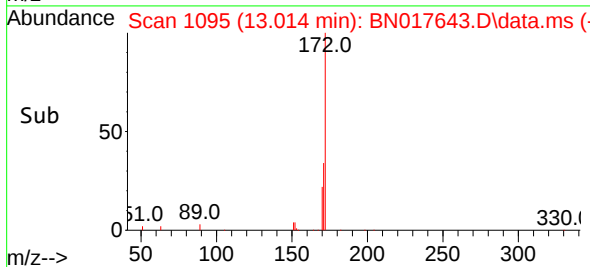
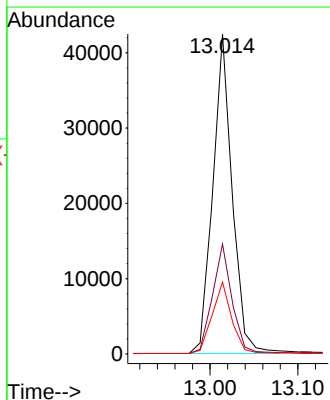
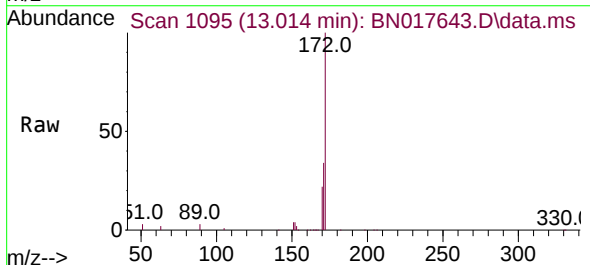
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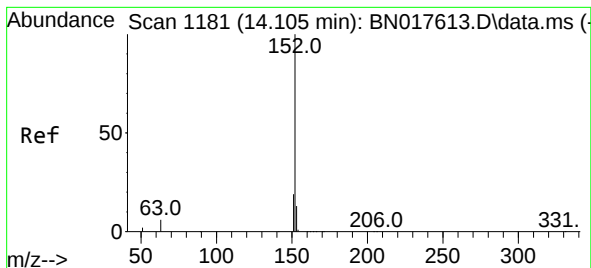
Tgt Ion:330 Resp: 202
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 400.0 28.9 43.3#



#15
2-Fluorobiphenyl
Concen: 0.279 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

Tgt Ion:172 Resp: 65121
Ion Ratio Lower Upper
172 100
171 34.3 28.7 43.1
170 22.5 19.4 29.2





#16

Acenaphthylene

Concen: 0.572 ng

RT: 14.105 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BN017643.D

Acq: 01 Dec 2021 10:22

Instrument :

BNA_N

ClientSampleId :

CS-5B

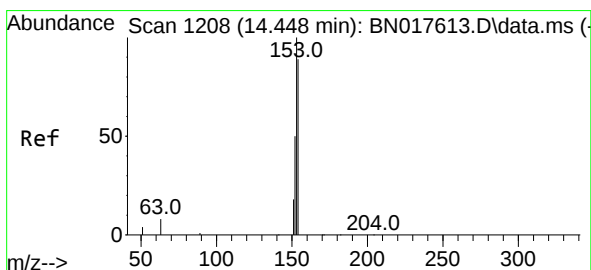
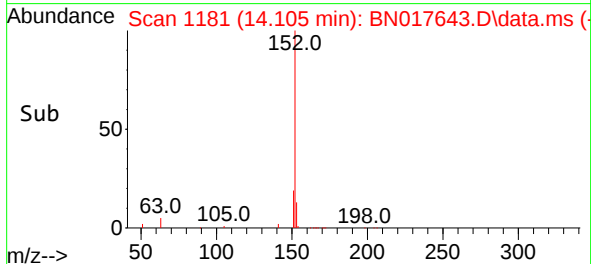
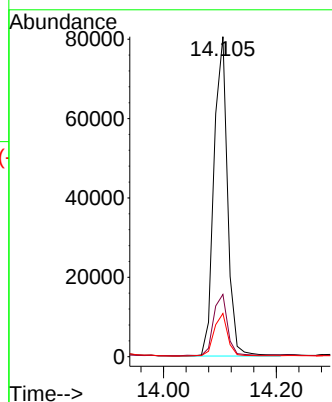
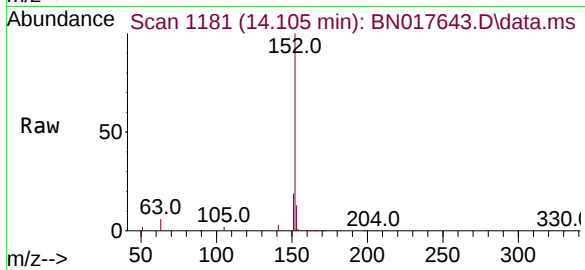
Tgt Ion:152 Resp: 133775

Ion Ratio Lower Upper

152 100

151 20.0 15.5 23.3

153 13.5 10.4 15.6



#17

Acenaphthene

Concen: 0.255 ng

RT: 14.448 min Scan# 1208

Delta R.T. -0.000 min

Lab File: BN017643.D

Acq: 01 Dec 2021 10:22

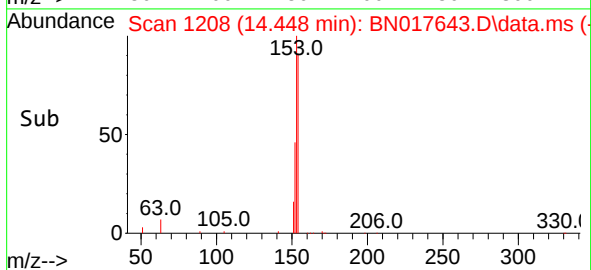
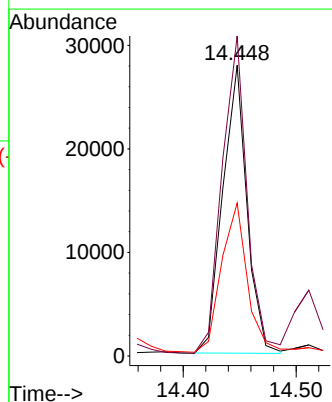
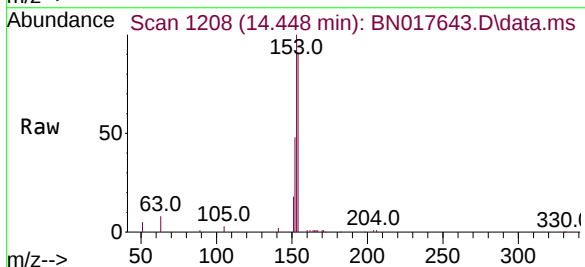
Tgt Ion:154 Resp: 41275

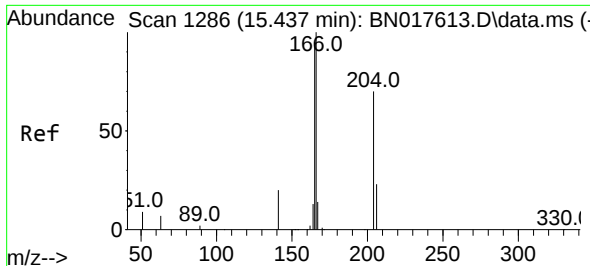
Ion Ratio Lower Upper

154 100

153 114.2 91.2 136.8

152 57.8 44.3 66.5

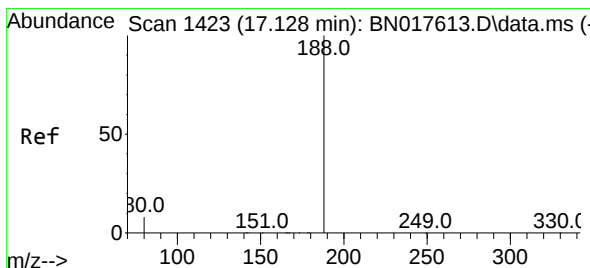
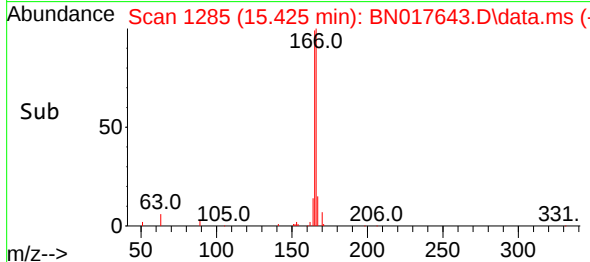
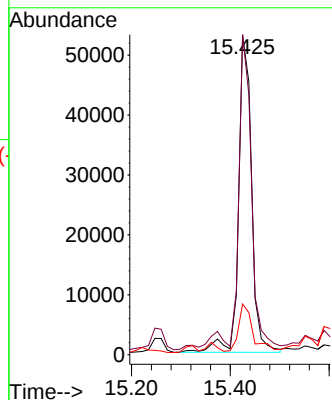
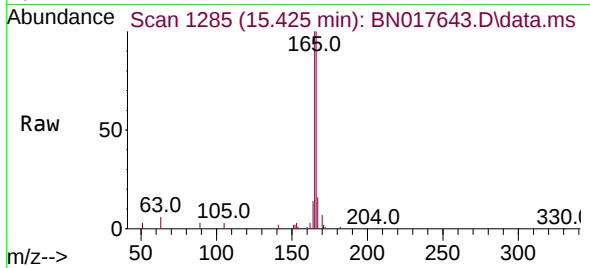




#18
Fluorene
Concen: 0.494 ng
RT: 15.425 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

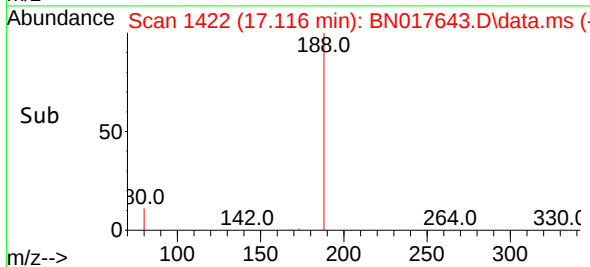
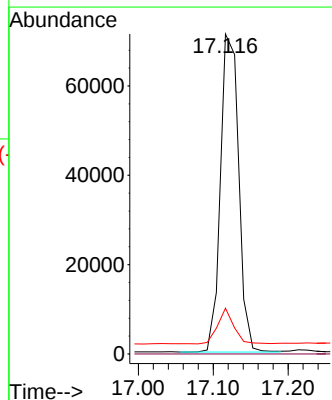
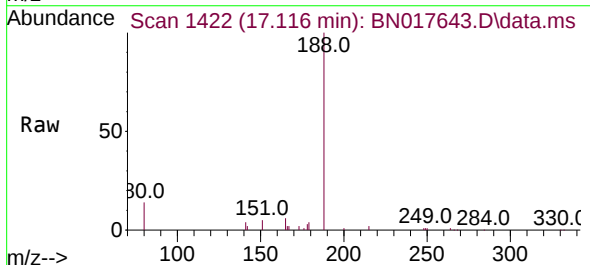
Instrument :
BNA_N
ClientSampleId :
CS-5B

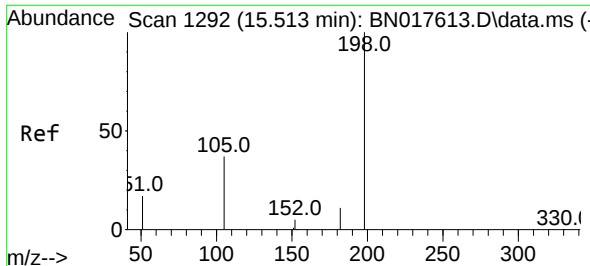
Tgt Ion:166 Resp: 97223
Ion Ratio Lower Upper
166 100
165 102.5 77.9 116.9
167 16.4 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.116 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

Tgt Ion:188 Resp: 120483
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.3 6.1 9.1#

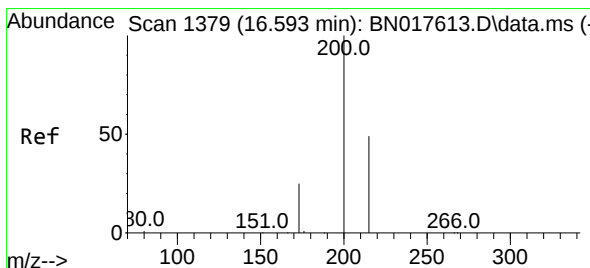
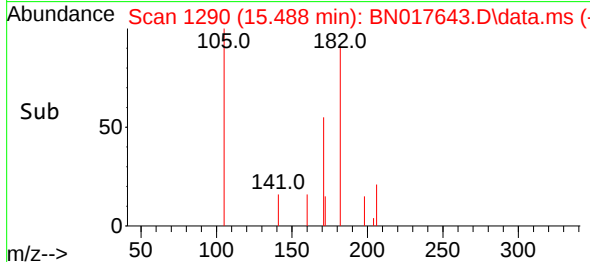
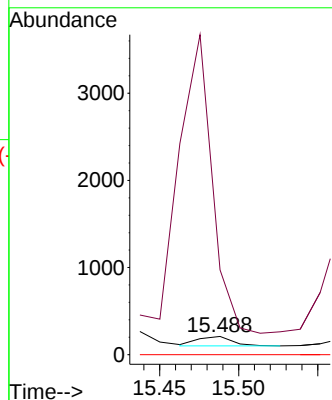
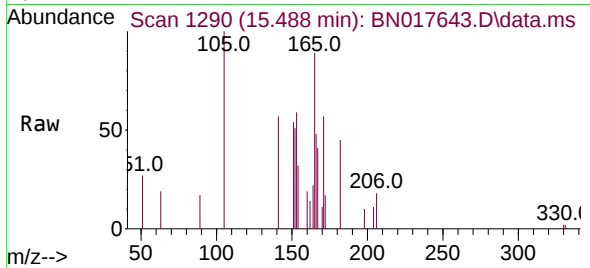




#20
4,6-Dinitro-2-methylphenol
Concen: 0.088 ng
RT: 15.488 min Scan# 1290
Delta R.T. -0.025 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

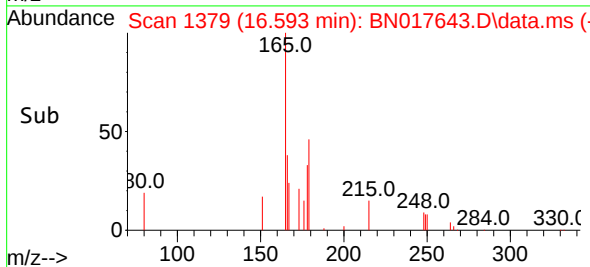
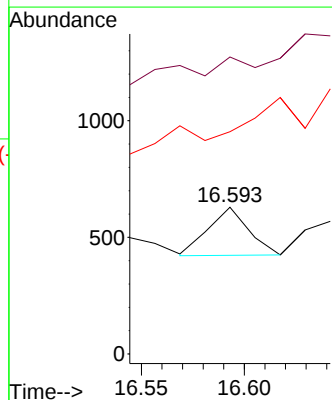
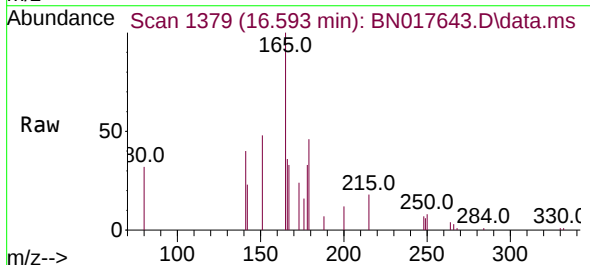
Instrument :
BNA_N
ClientSampleId :
CS-5B

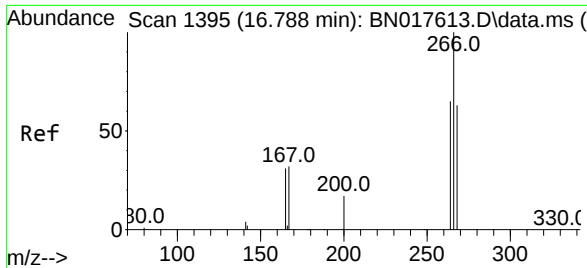
Tgt Ion:198 Resp: 166
Ion Ratio Lower Upper
198 100
182 466.0 11.4 17.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.136 ng
RT: 16.593 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

Tgt Ion:200 Resp: 280
Ion Ratio Lower Upper
200 100
173 202.4 17.6 26.4#
215 151.5 40.2 60.4#

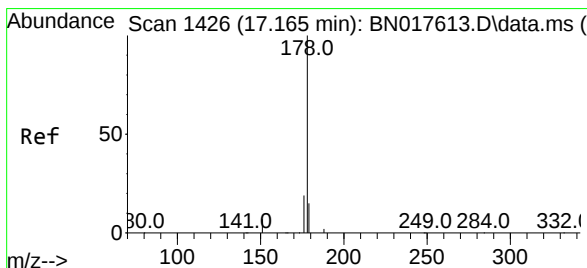
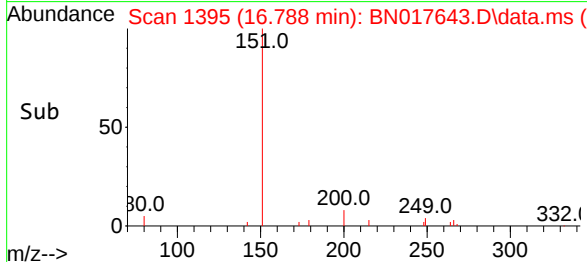
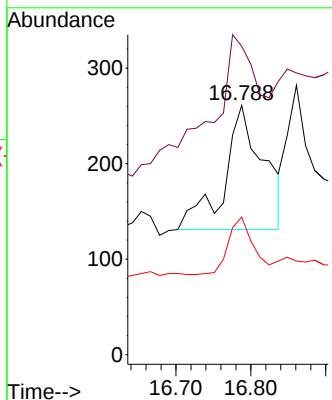
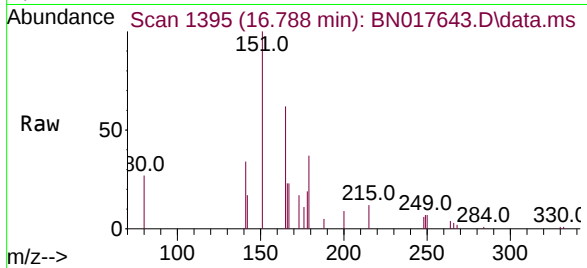




#24
 Pentachlorophenol
 Concen: 0.203 ng
 RT: 16.788 min Scan# 1395
 Delta R.T. -0.000 min
 Lab File: BN017643.D
 Acq: 01 Dec 2021 10:22

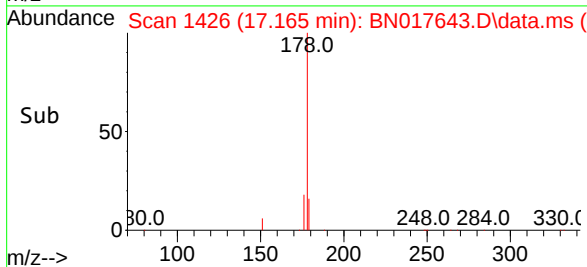
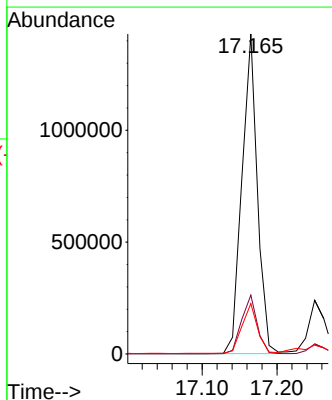
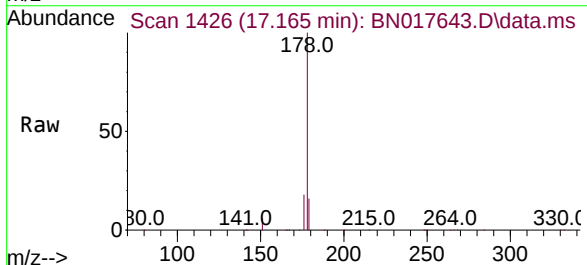
Instrument :
 BNA_N
 ClientSampleId :
 CS-5B

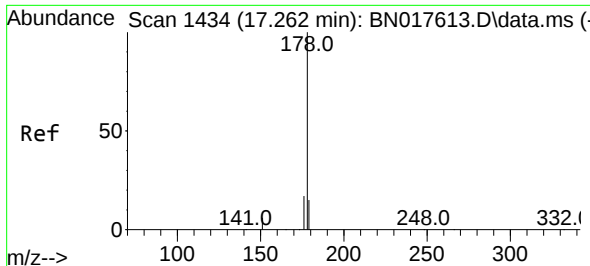
Tgt Ion:266 Resp: 470
 Ion Ratio Lower Upper
 266 100
 264 84.9 49.8 74.8#
 268 29.6 51.3 76.9#



#25
 Phenanthrene
 Concen: 6.179 ng
 RT: 17.165 min Scan# 1426
 Delta R.T. 0.000 min
 Lab File: BN017643.D
 Acq: 01 Dec 2021 10:22

Tgt Ion:178 Resp: 2041931
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.6
 179 15.8 12.3 18.5

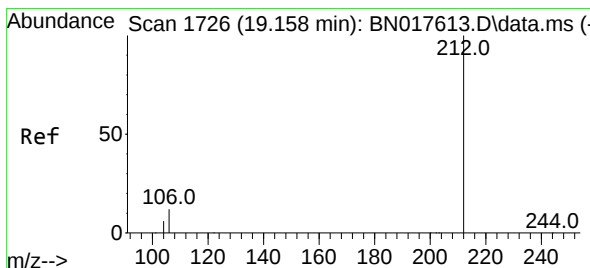
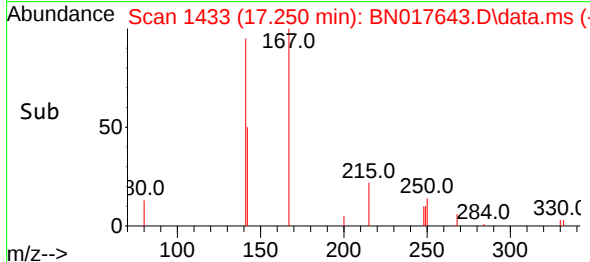
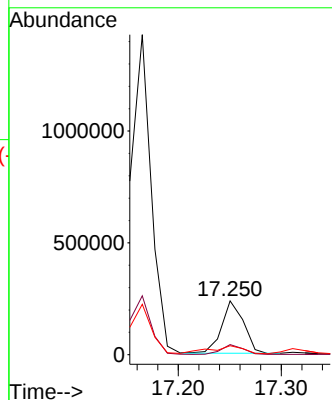
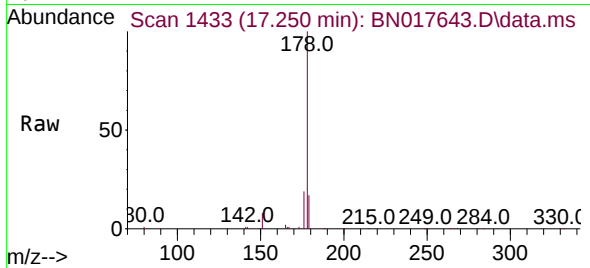




#26
 Anthracene
 Concen: 1.220 ng
 RT: 17.250 min Scan# 1434
 Delta R.T. -0.012 min
 Lab File: BN017643.D
 Acq: 01 Dec 2021 10:22

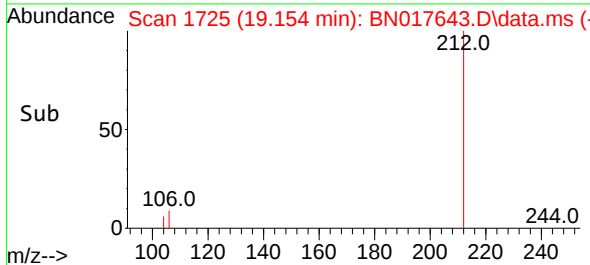
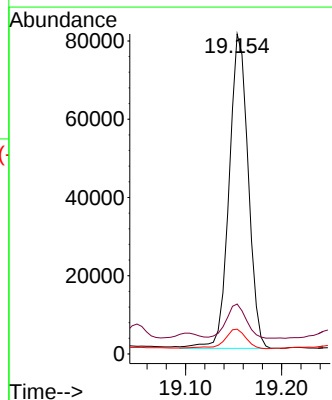
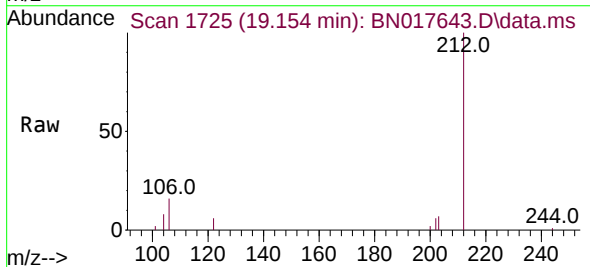
Instrument :
 BNA_N
 ClientSampleId :
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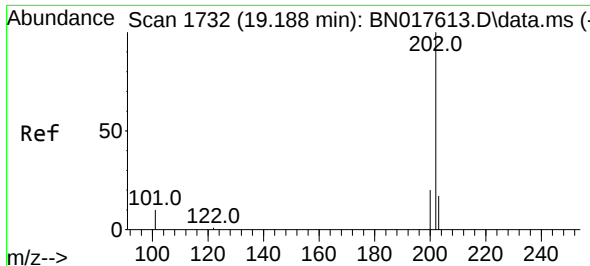
Tgt Ion:178 Resp: 346499
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.6 22.0
 179 23.0 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.294 ng
 RT: 19.154 min Scan# 1725
 Delta R.T. -0.004 min
 Lab File: BN017643.D
 Acq: 01 Dec 2021 10:22

Tgt Ion:212 Resp: 110849
 Ion Ratio Lower Upper
 212 100
 106 11.2 10.5 15.7
 104 7.1 5.8 8.6

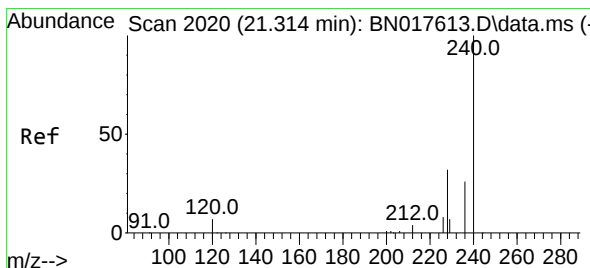
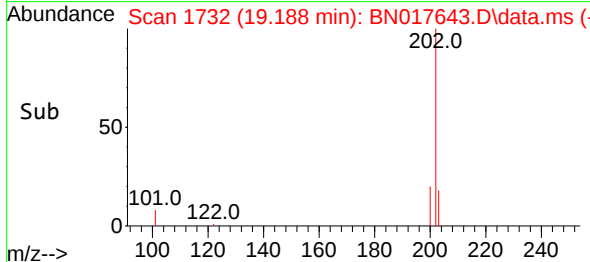
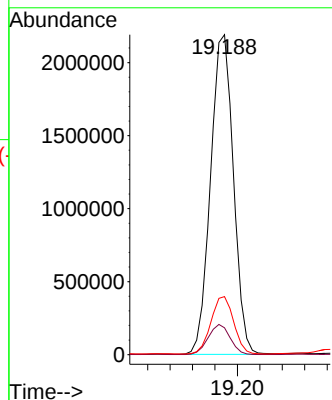
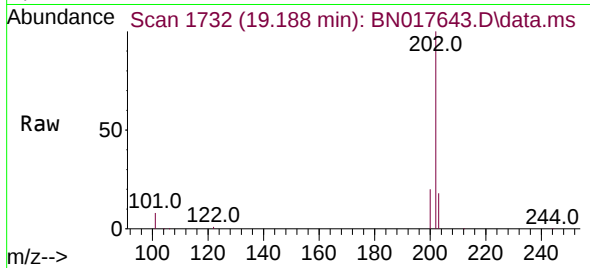




#28
Fluoranthene
Concen: 8.292 ng
RT: 19.188 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

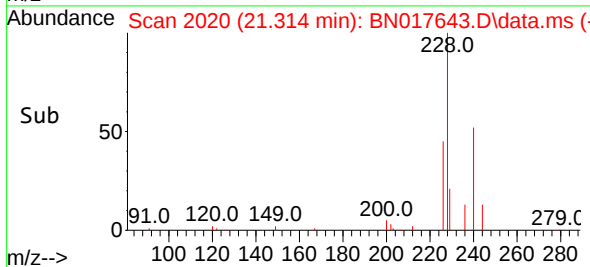
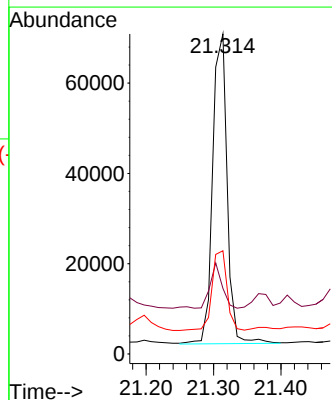
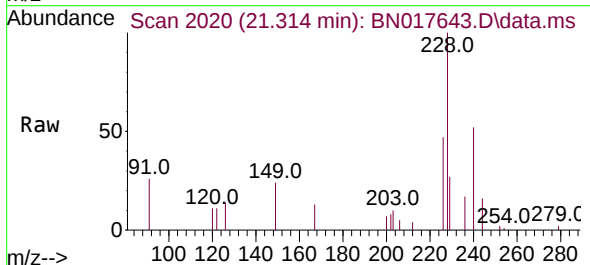
Instrument :
BNA_N
ClientSampleId :
CS-5B

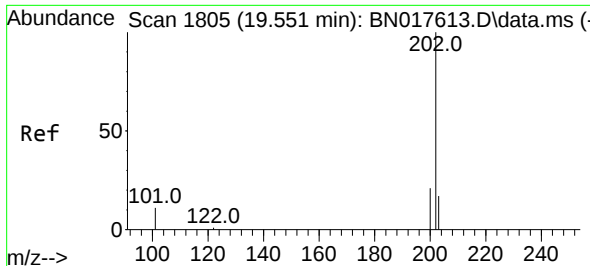
Tgt Ion:202 Resp: 3100748
Ion Ratio Lower Upper
202 100
101 9.0 8.9 13.3
203 17.7 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.314 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

Tgt Ion:240 Resp: 102664
Ion Ratio Lower Upper
240 100
120 20.5 4.2 6.2#
236 32.2 20.0 30.0#

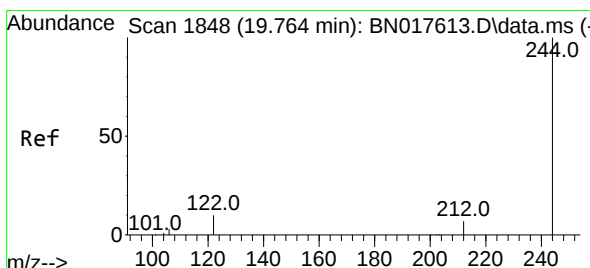
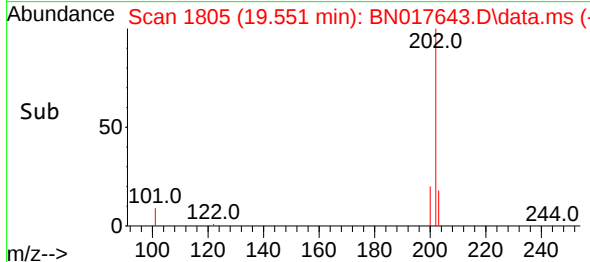
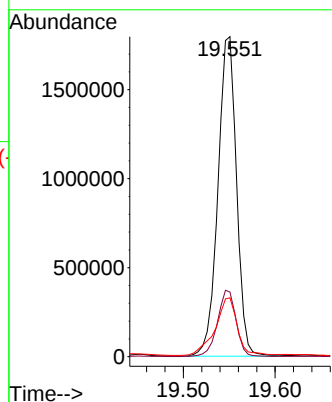
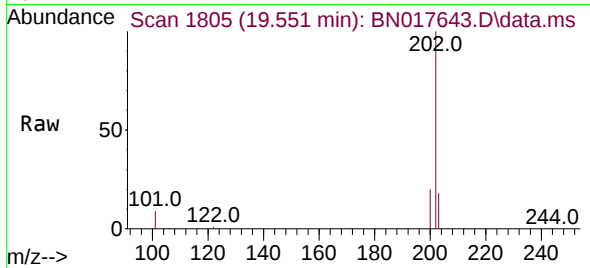




#30
Pyrene
Concen: 7.644 ng
RT: 19.551 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

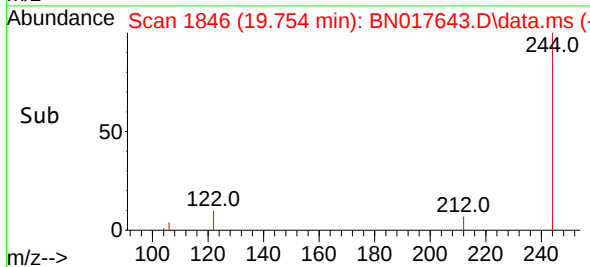
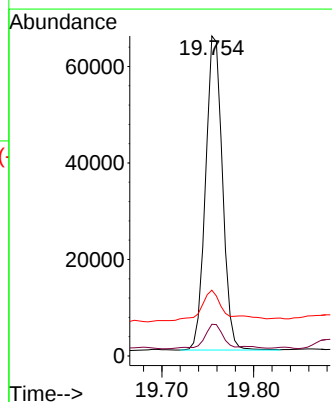
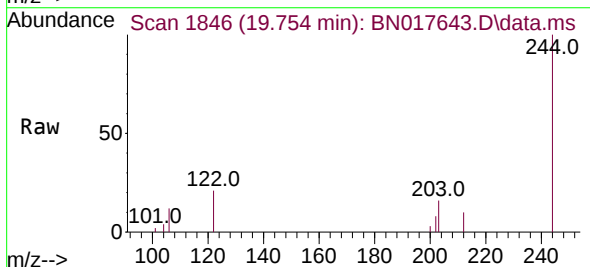
Instrument :
BNA_N
ClientSampleId :
CS-5B

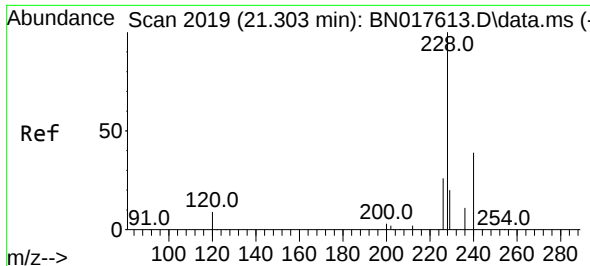
Tgt Ion:202 Resp: 2533324
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 21.4 14.0 21.0#



#31
Terphenyl-d14
Concen: 0.369 ng
RT: 19.754 min Scan# 1846
Delta R.T. -0.010 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

Tgt Ion:244 Resp: 83078
Ion Ratio Lower Upper
244 100
212 9.9 5.7 8.5#
122 20.6 8.6 13.0#

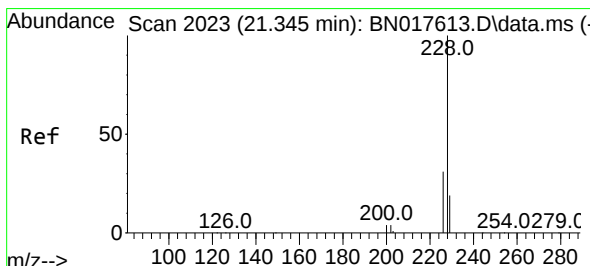
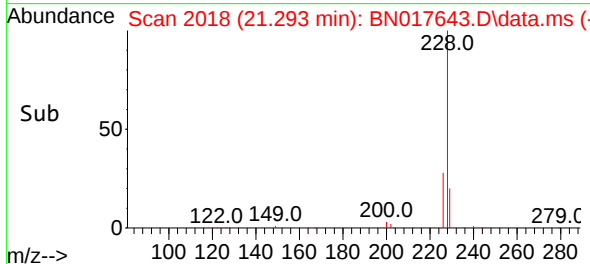
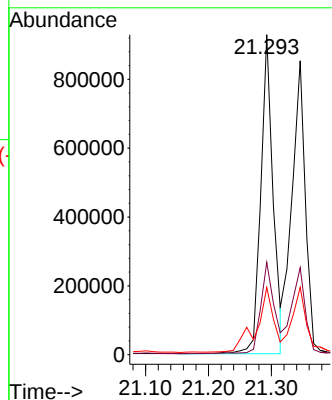
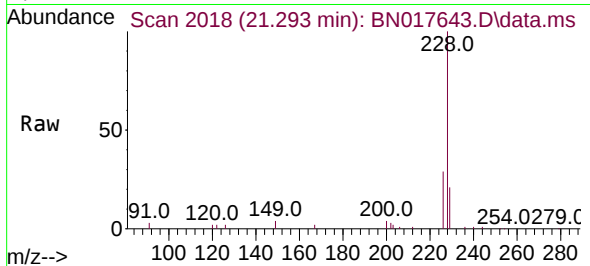




#32
Benzo(a)anthracene
Concen: 4.046 ng
RT: 21.293 min Scan# 2018
Delta R.T. -0.010 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

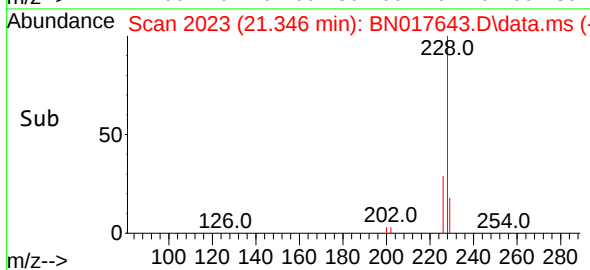
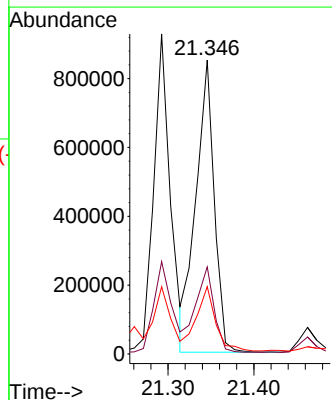
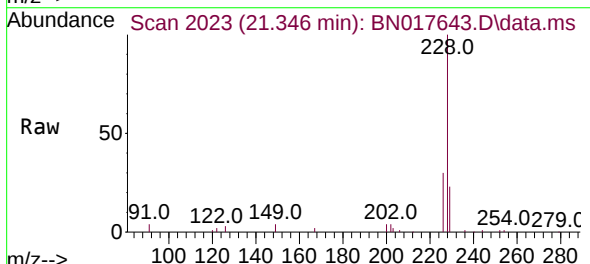
Instrument :
BNA_N
ClientSampleId :
CS-5B

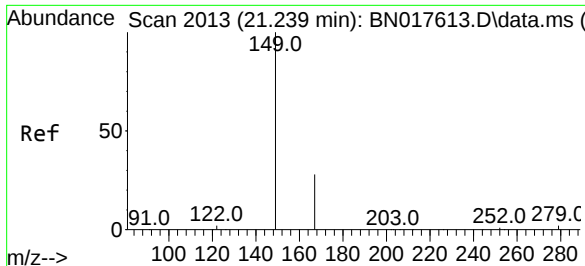
Tgt Ion:228 Resp: 1261667
Ion Ratio Lower Upper
228 100
226 28.8 21.3 31.9
229 21.0 15.7 23.5



#33
Chrysene
Concen: 3.723 ng
RT: 21.346 min Scan# 2023
Delta R.T. 0.001 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

Tgt Ion:228 Resp: 1262805
Ion Ratio Lower Upper
228 100
226 29.6 23.3 34.9
229 22.9 15.6 23.4

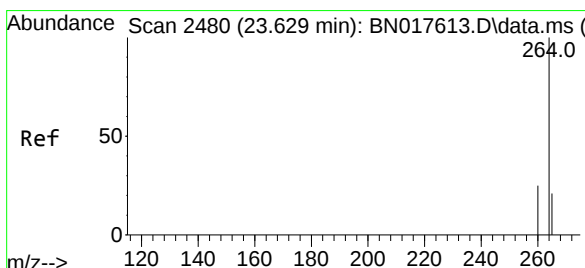
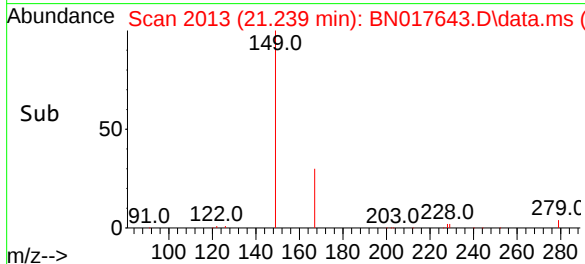
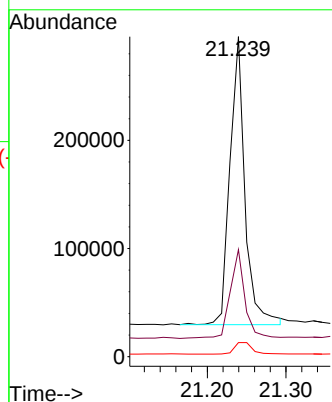
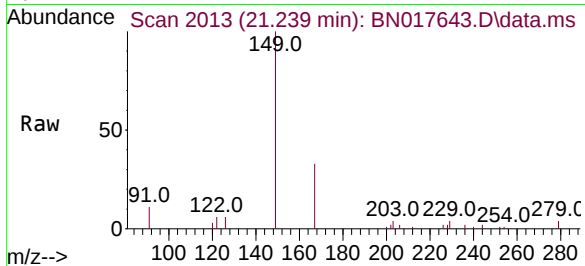




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 4.761 ng
 RT: 21.239 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BN017643.D
 Acq: 01 Dec 2021 10:22

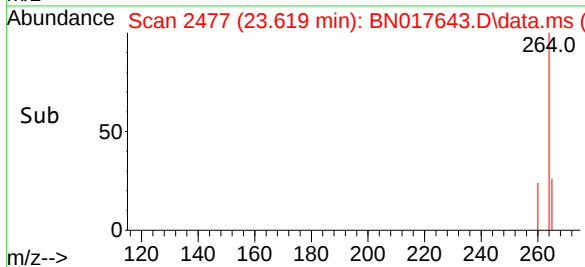
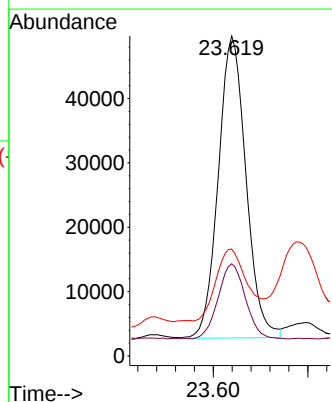
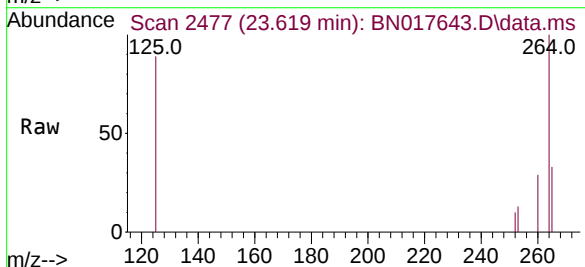
Instrument :
 BNA_N
 ClientSampleId :
 CS-5B

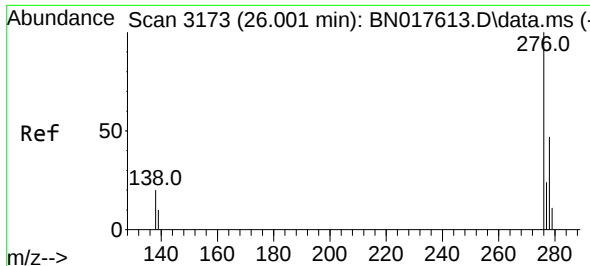
Tgt Ion:149 Resp: 352129
 Ion Ratio Lower Upper
 149 100
 167 30.0 21.8 32.6
 279 4.8 3.4 5.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.619 min Scan# 2477
 Delta R.T. -0.010 min
 Lab File: BN017643.D
 Acq: 01 Dec 2021 10:22

Tgt Ion:264 Resp: 95448
 Ion Ratio Lower Upper
 264 100
 260 28.8 19.4 29.2
 265 33.4 18.6 28.0#

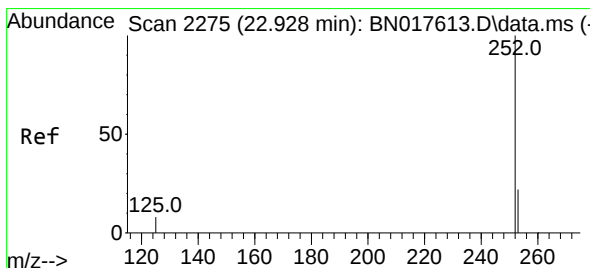
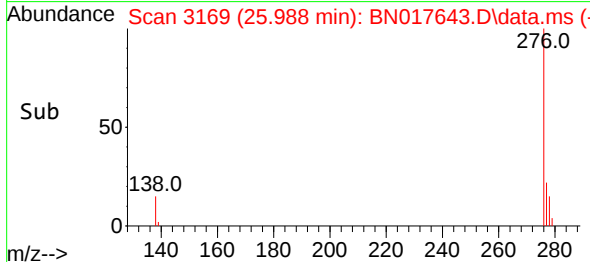
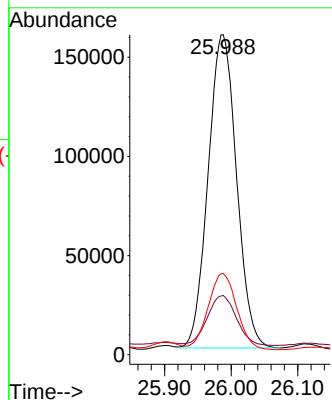
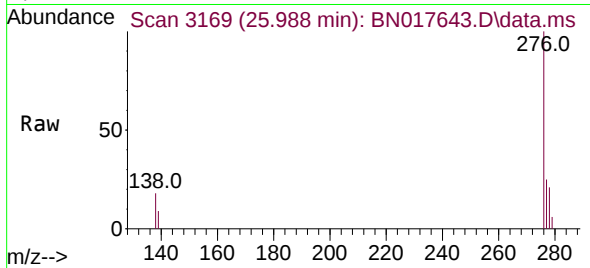




#36
Indeno(1,2,3-cd)pyrene
Concen: 1.513 ng
RT: 25.988 min Scan# 3173
Delta R.T. -0.013 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

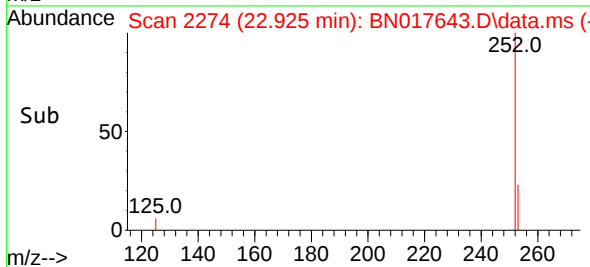
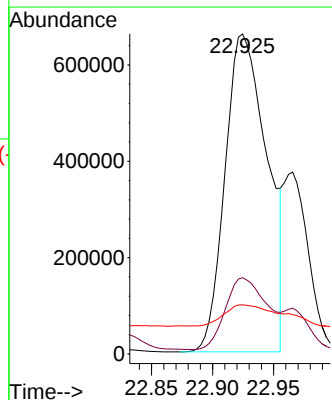
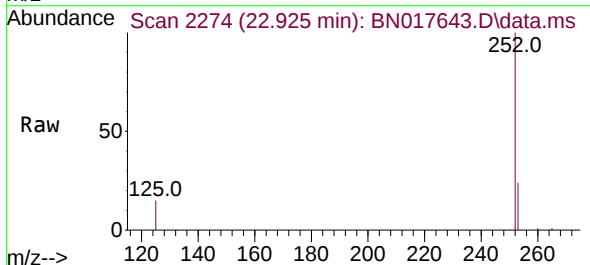
Instrument :
BNA_N
ClientSampleId :
CS-5B

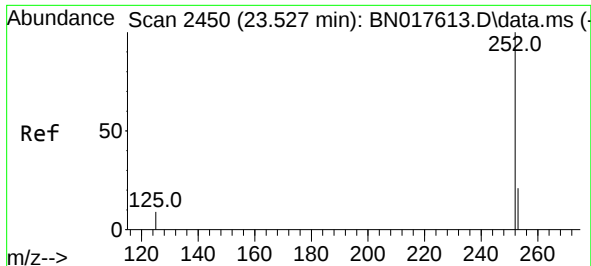
Tgt Ion:276 Resp: 469018
Ion Ratio Lower Upper
276 100
138 16.3 19.7 29.5#
277 24.6 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 5.005 ng
RT: 22.925 min Scan# 2274
Delta R.T. -0.003 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

Tgt Ion:252 Resp: 1584313
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 15.3 7.8 11.8#

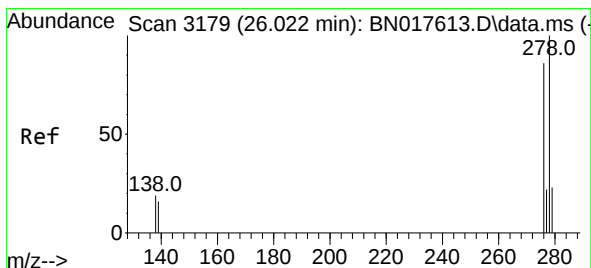
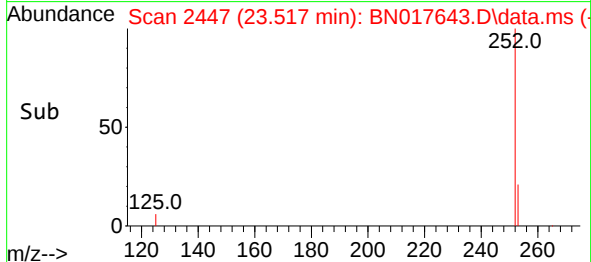
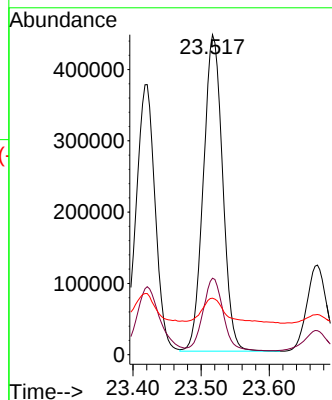
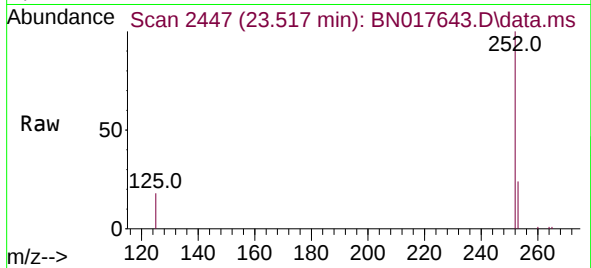




#39
Benzo(a)pyrene
Concen: 3.073 ng
RT: 23.517 min Scan# 2450
Delta R.T. -0.010 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

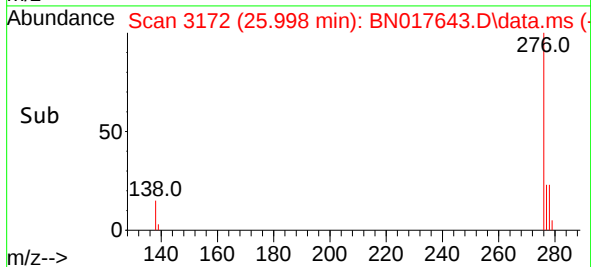
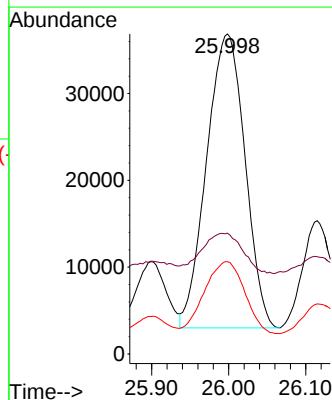
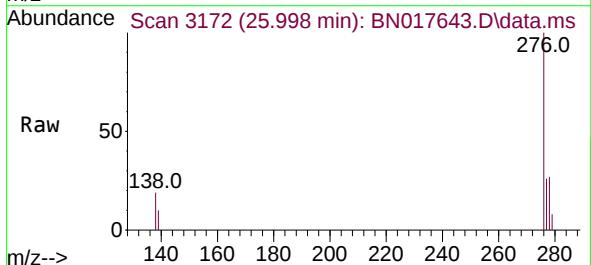
Instrument :
BNA_N
ClientSampleId :
CS-5B

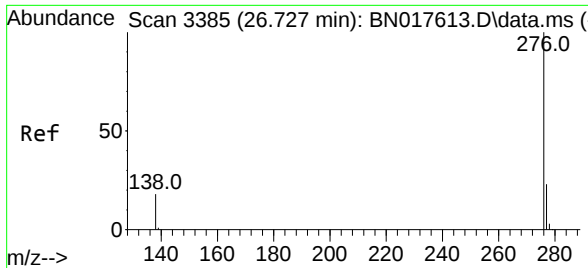
Tgt Ion:252 Resp: 870664
Ion Ratio Lower Upper
252 100
253 23.9 17.9 26.9
125 17.7 9.2 13.8#



#40
Dibenzo(a,h)anthracene
Concen: 0.463 ng
RT: 25.998 min Scan# 3172
Delta R.T. -0.024 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

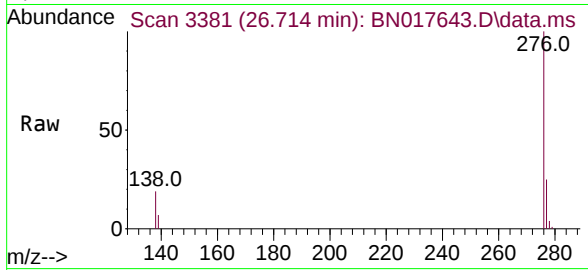
Tgt Ion:278 Resp: 117304
Ion Ratio Lower Upper
278 100
139 37.7 13.0 19.6#
279 28.8 19.2 28.8#





#41
Benzo(g,h,i)perylene
Concen: 1.527 ng
RT: 26.714 min Scan# 31
Delta R.T. -0.013 min
Lab File: BN017643.D
Acq: 01 Dec 2021 10:22

Instrument :
BNA_N
ClientSampleId :
CS-5B



Tgt Ion: 276 Resp: 397819

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.0	28.4
138	18.8	17.1	25.7

