

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017634.D
 Acq On : 01 Dec 2021 04:59
 Operator : CG/JU
 Sample : M4862-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-1B

Quant Time: Dec 01 05:46:18 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)

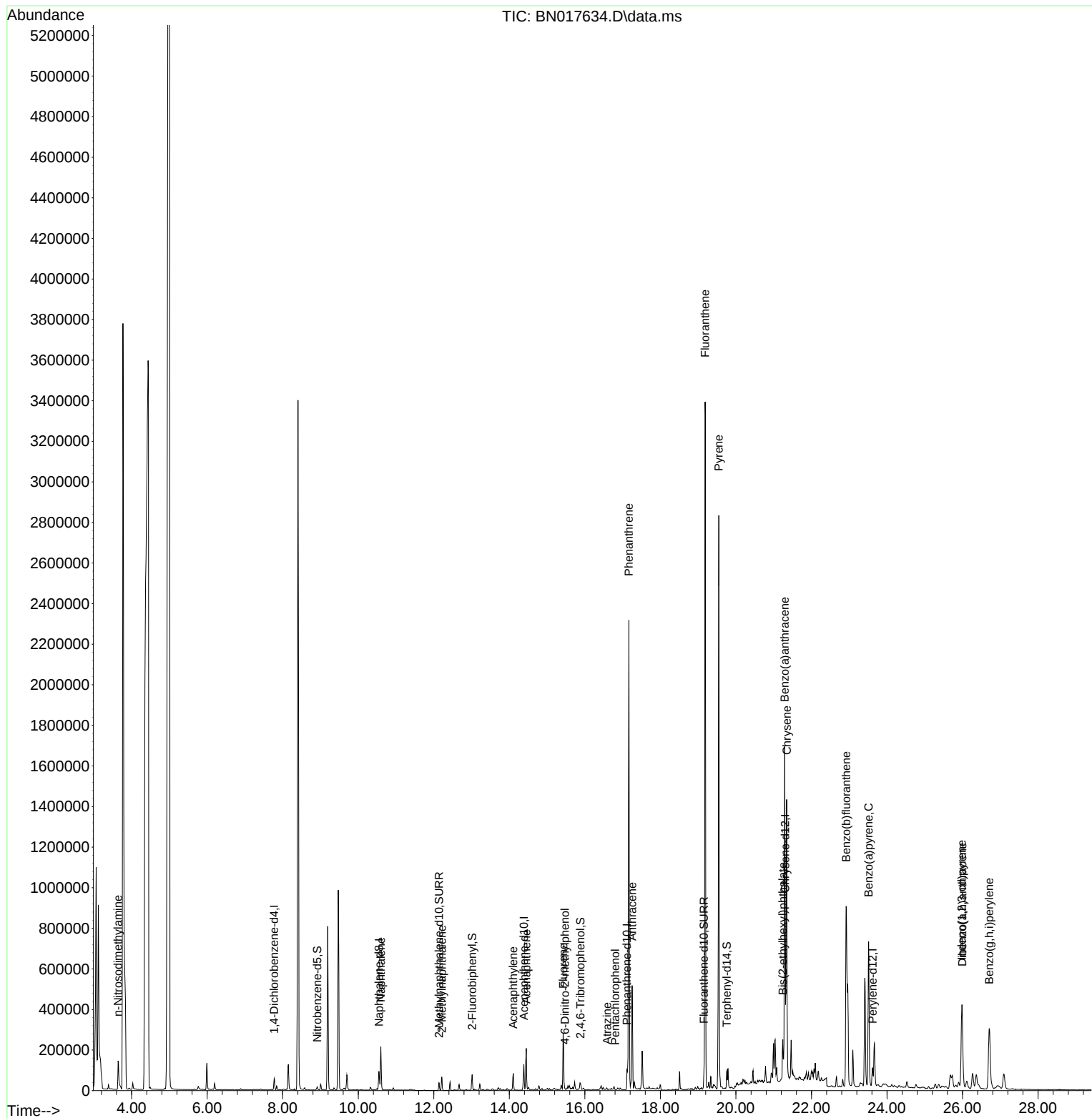
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.773	152	27970	0.400	ng	0.00
7) Naphthalene-d8	10.547	136	120434	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	71887	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	147244	0.400	ng	#-0.01
29) Chrysene-d12	21.303	240	130304	0.400	ng	#-0.01
35) Perylene-d12	23.616	264	125160	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.403	112	54	0.001	ng	0.04
5) Phenol-d6	6.961	99	129	0.002	ng	0.02
8) Nitrobenzene-d5	8.913	82	12461	0.244	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	52701	0.251	ng	0.00
14) 2,4,6-Tribromophenol	15.881	330	67	0.126	ng	0.00
15) 2-Fluorobiphenyl	13.014	172	68359	0.244	ng	0.00
27) Fluoranthene-d10	19.154	212	119379	0.259	ng	0.00
31) Terphenyl-d14	19.754	244	87009	0.304	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.642	42	46265	1.762	ng	# 1
9) Naphthalene	10.598	128	267520	0.881	ng	100
12) 2-Methylnaphthalene	12.213	142	49031	0.245	ng	97
16) Acenaphthylene	14.105	152	96407	0.344	ng	99
17) Acenaphthene	14.448	154	107863	0.557	ng	99
18) Fluorene	15.425	166	198421	0.842	ng	99
20) 4,6-Dinitro-2-methylph...	15.475	198	167	0.083	ng	# 1
23) Atrazine	16.593	200	121	0.133	ng	# 3
24) Pentachlorophenol	16.800	266	140	0.195	ng	# 56
25) Phenanthrene	17.165	178	2398898	5.940	ng	100
26) Anthracene	17.250	178	529639	1.526	ng	# 93
28) Fluoranthene	19.183	202	3218480	7.042	ng	98
30) Pyrene	19.546	202	2680367	6.372	ng	# 94
32) Benzo(a)anthracene	21.293	228	1478312	3.735	ng	98
33) Chrysene	21.346	228	1291213	2.999	ng	97
34) Bis(2-ethylhexyl)phtha...	21.239	149	191099	2.036	ng	95
36) Indeno(1,2,3-cd)pyrene	25.985	276	705972	1.737	ng	# 92
37) Benzo(b)fluoranthene	22.918	252	1583693	3.816	ng	98
39) Benzo(a)pyrene	23.513	252	1060104	2.853	ng	97
40) Dibenzo(a,h)anthracene	25.991	278	167223	0.503	ng	95
41) Benzo(g,h,i)perylene	26.707	276	712011	2.084	ng	96

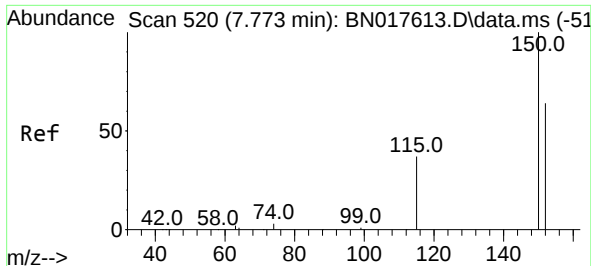
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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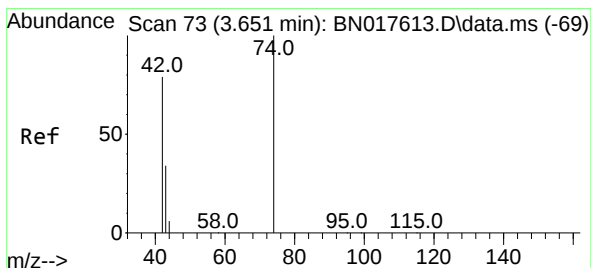
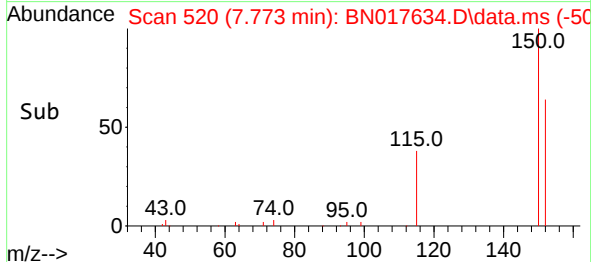
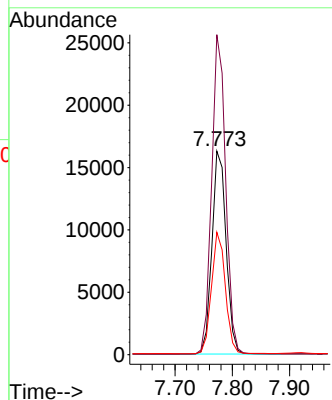
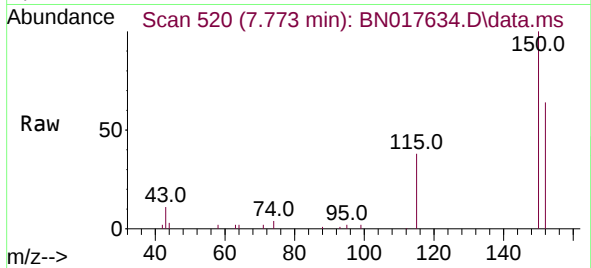




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

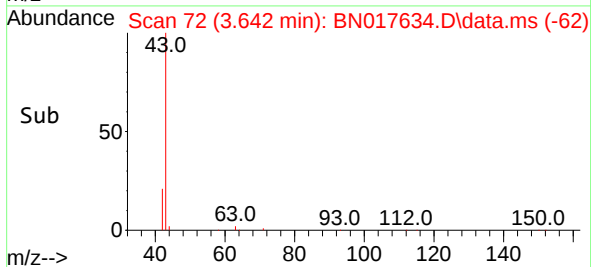
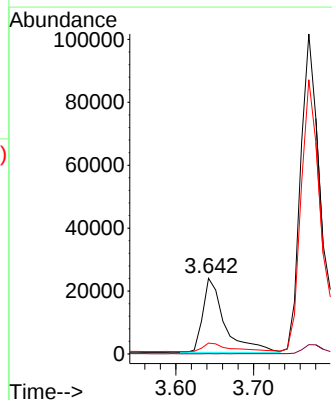
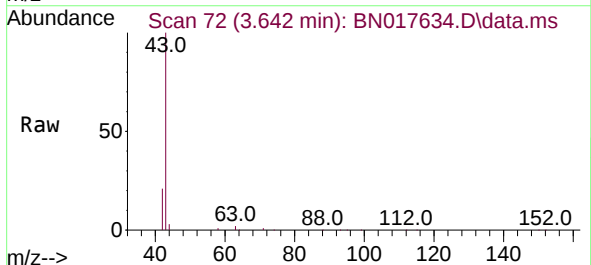
Instrument :
BNA_N
ClientSampleId :
CS-1B

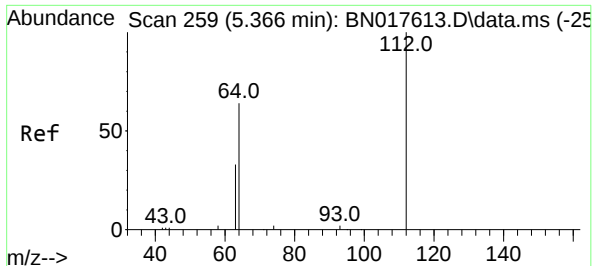
Tgt Ion:152 Resp: 27970
Ion Ratio Lower Upper
152 100
150 157.2 123.0 184.4
115 60.2 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 1.762 ng
RT: 3.642 min Scan# 72
Delta R.T. -0.009 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

Tgt Ion: 42 Resp: 46265
Ion Ratio Lower Upper
42 100
74 0.0 97.8 146.6#
44 14.2 5.5 8.3#

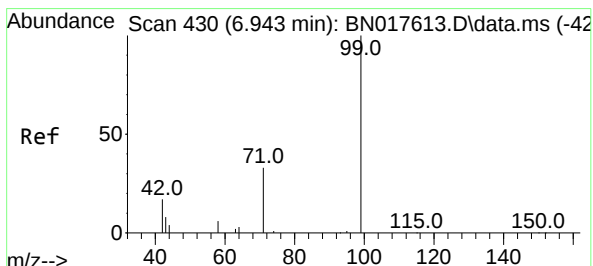
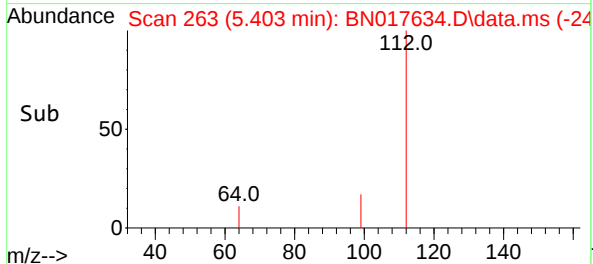
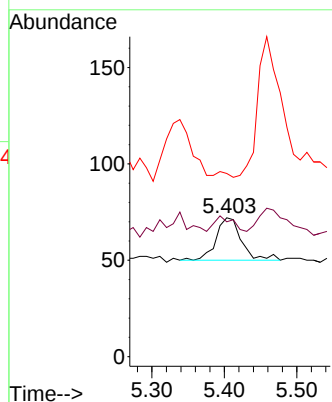
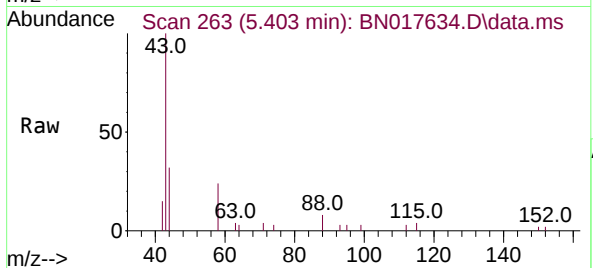




#4
2-Fluorophenol
Concen: 0.001 ng
RT: 5.403 min Scan# 20
Delta R.T. 0.037 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

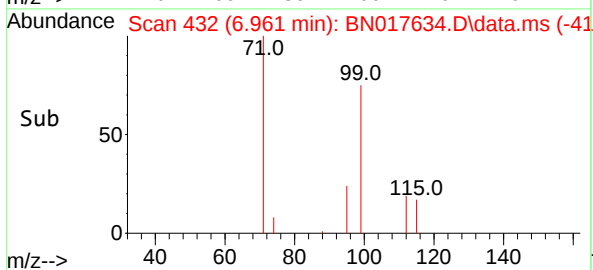
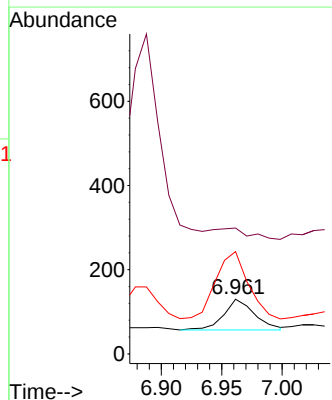
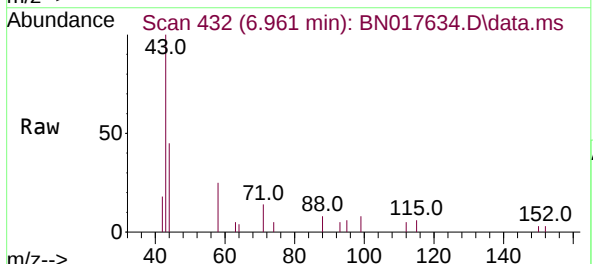
Instrument :
BNA_N
ClientSampleId :
CS-1B

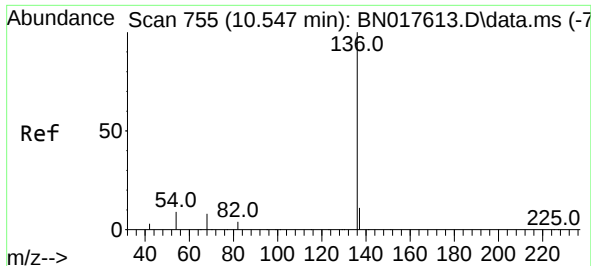
Tgt Ion:112 Resp: 54
Ion Ratio Lower Upper
112 100
64 24.1 47.6 71.4#
63 0.0 24.6 37.0#



#5
Phenol-d6
Concen: 0.002 ng
RT: 6.961 min Scan# 432
Delta R.T. 0.019 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

Tgt Ion: 99 Resp: 129
Ion Ratio Lower Upper
99 100
42 0.0 17.0 25.6#
71 231.0 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: BN017634.D
Acq: 01 Dec 2021 04:59

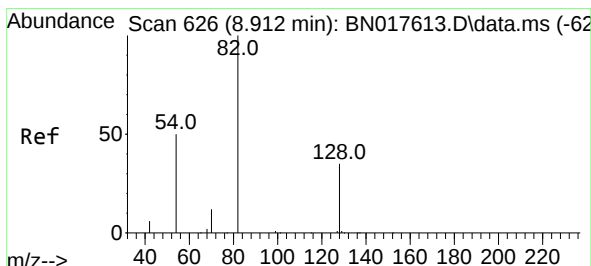
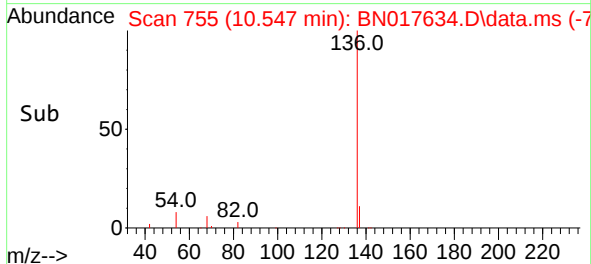
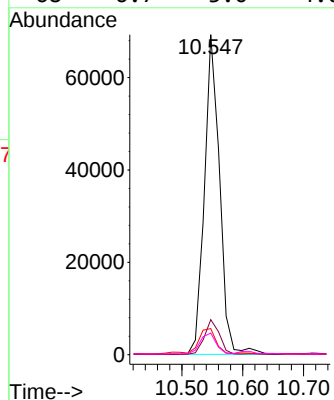
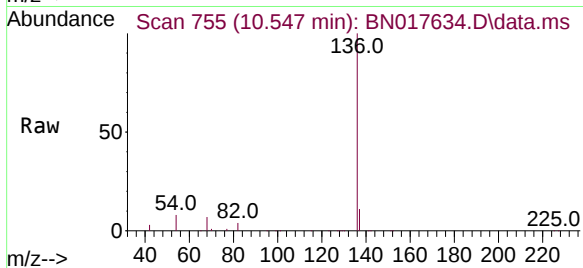
Instrument :

BNA_N

ClientSampleId :

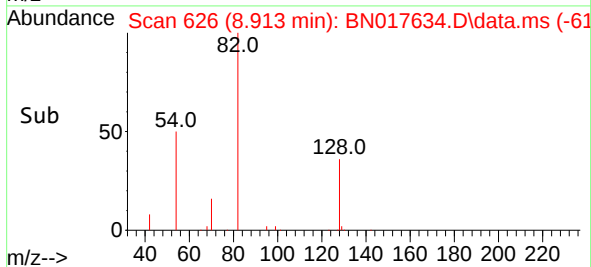
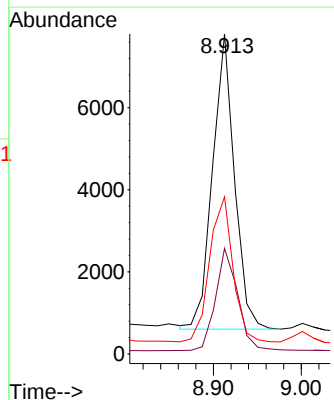
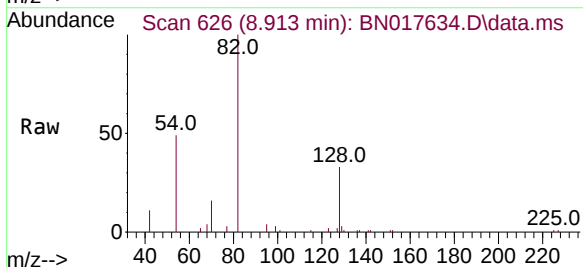
CS-1B

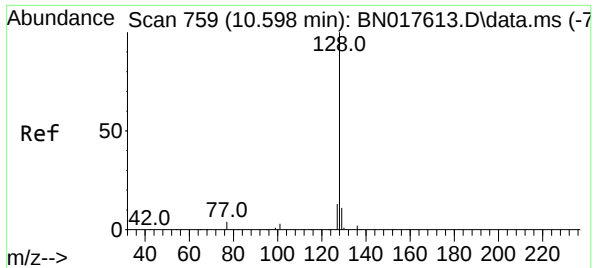
Tgt Ion:136 Resp: 120434
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.2 4.0 6.0#
68 6.7 3.0 4.6#



#8
Nitrobenzene-d5
Concen: 0.244 ng
RT: 8.913 min Scan# 626
Delta R.T. 0.001 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

Tgt Ion: 82 Resp: 12461
Ion Ratio Lower Upper
82 100
128 33.0 27.7 41.5
54 49.1 49.2 73.8#

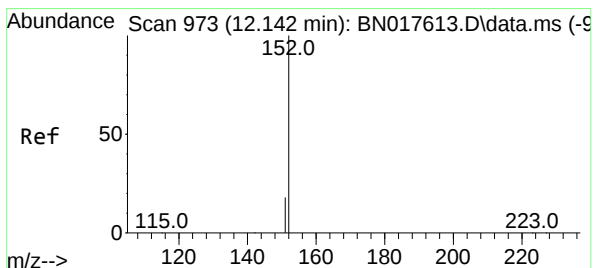
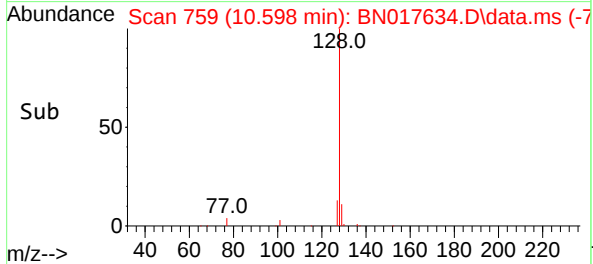
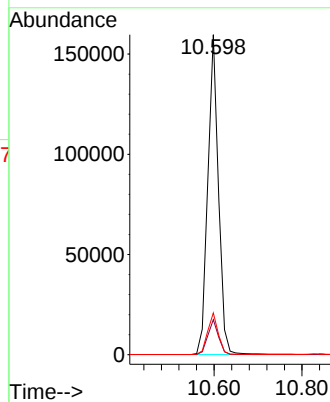
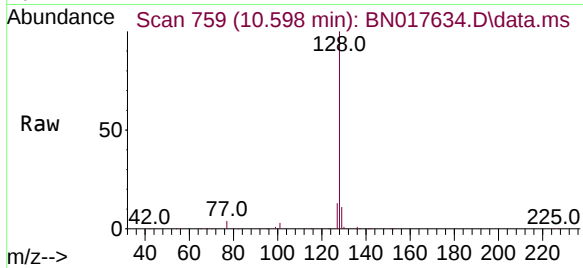




#9
Naphthalene
Concen: 0.881 ng
RT: 10.598 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

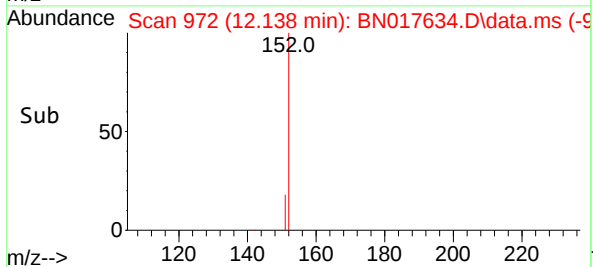
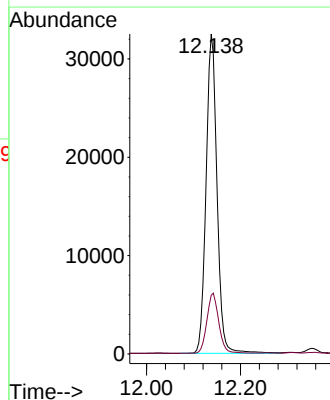
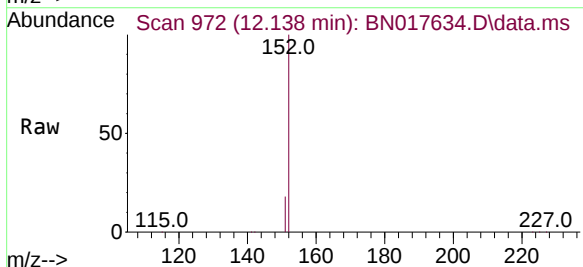
Instrument :
BNA_N
ClientSampleId :
CS-1B

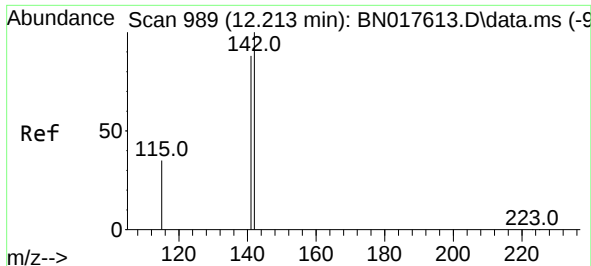
Tgt Ion:128 Resp: 267520
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.1 10.6 15.8



#11
2-Methylnaphthalene-d10
Concen: 0.251 ng
RT: 12.138 min Scan# 972
Delta R.T. -0.004 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

Tgt Ion:152 Resp: 52701
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.245 ng

RT: 12.213 min Scan# 989

Delta R.T. 0.000 min

Lab File: BN017634.D

Acq: 01 Dec 2021 04:59

Instrument :

BNA_N

ClientSampleId :

CS-1B

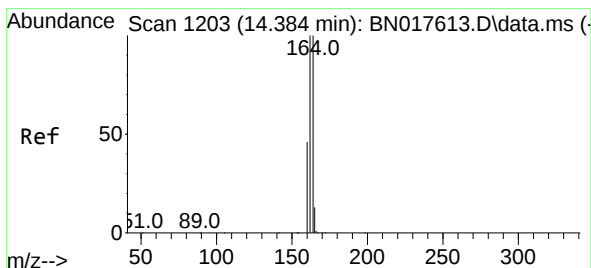
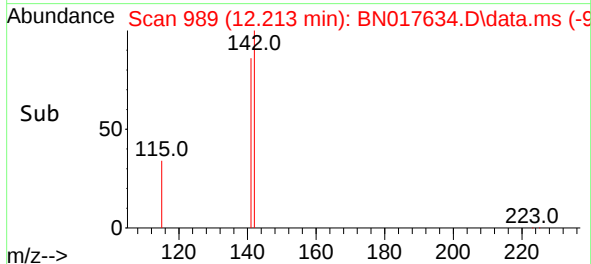
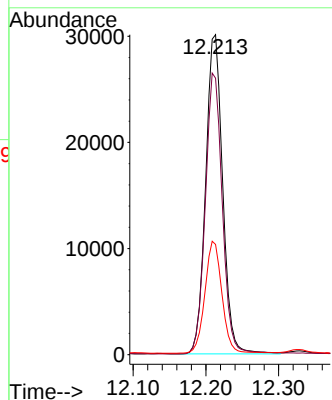
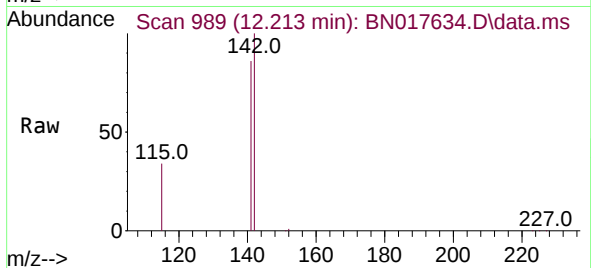
Tgt Ion:142 Resp: 49031

Ion Ratio Lower Upper

142 100

141 86.4 70.6 106.0

115 34.5 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: BN017634.D

Acq: 01 Dec 2021 04:59

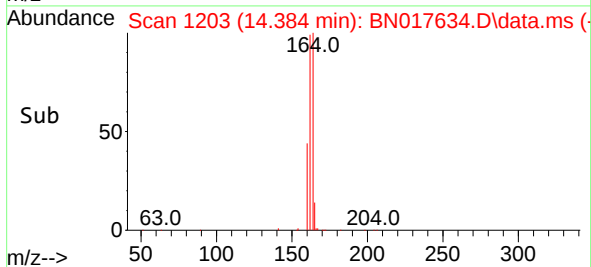
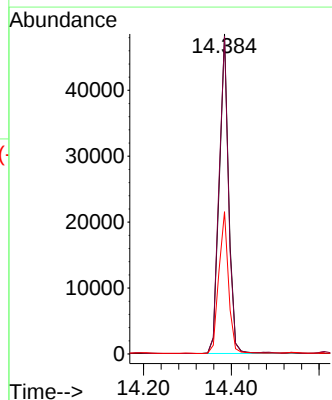
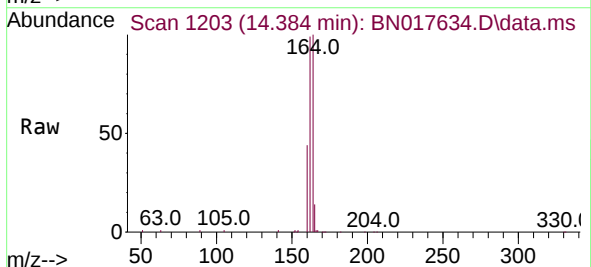
Tgt Ion:164 Resp: 71887

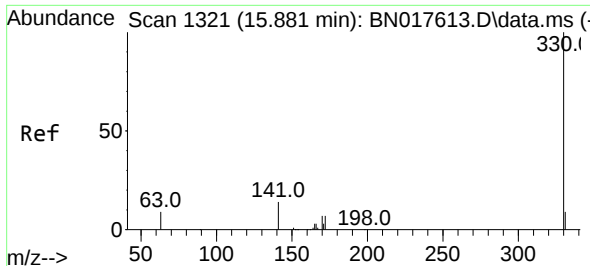
Ion Ratio Lower Upper

164 100

162 99.2 81.4 122.2

160 44.5 36.8 55.2

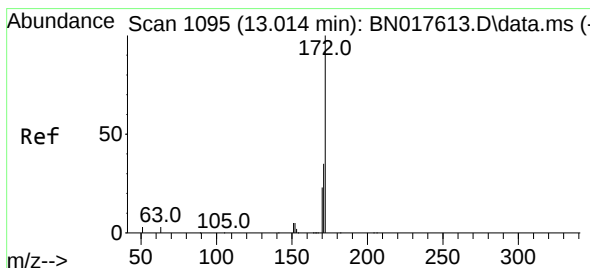
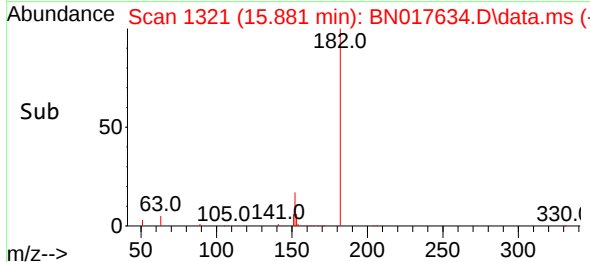
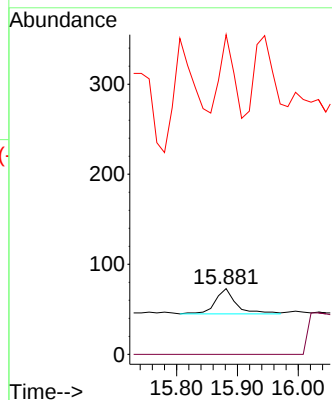
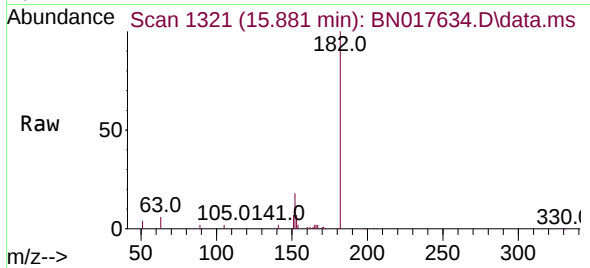




#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.881 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

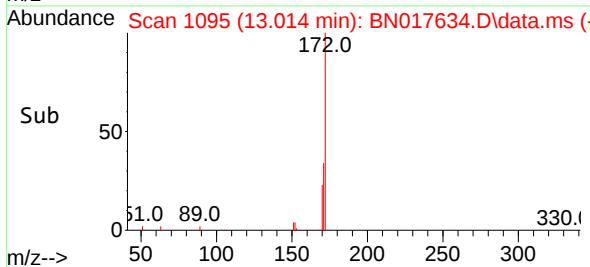
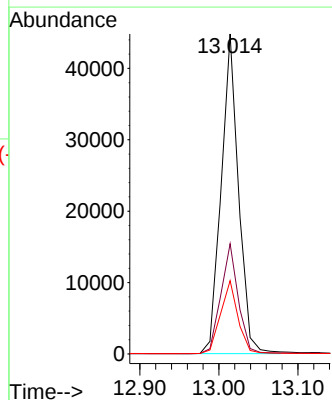
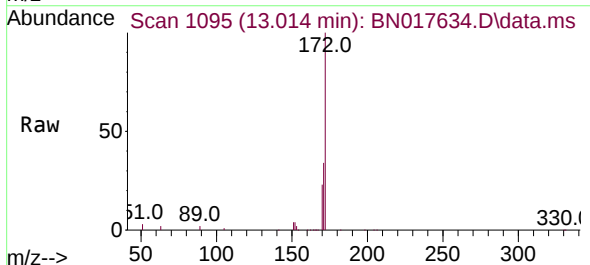
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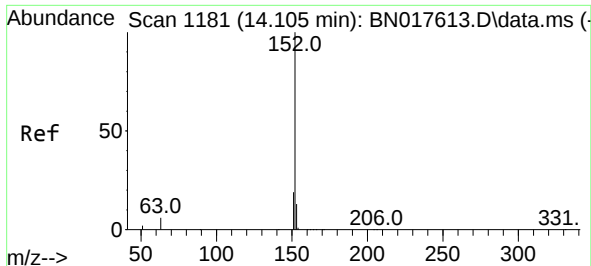
Tgt Ion:330 Resp: 67
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 210.4 28.9 43.3#



#15
2-Fluorobiphenyl
Concen: 0.244 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

Tgt Ion:172 Resp: 68359
Ion Ratio Lower Upper
172 100
171 34.5 28.7 43.1
170 22.9 19.4 29.2

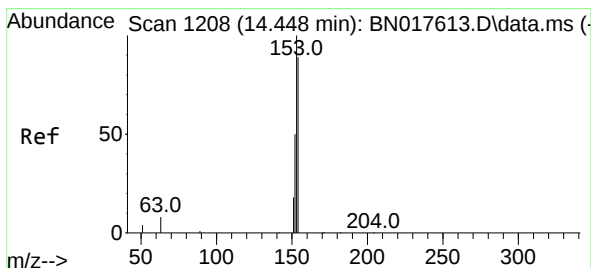
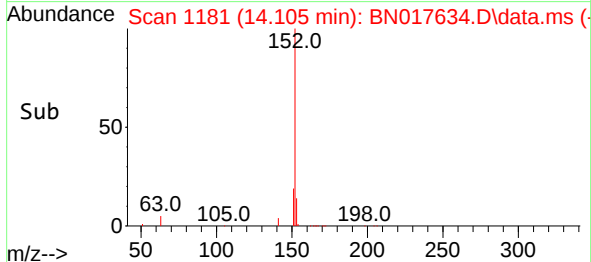
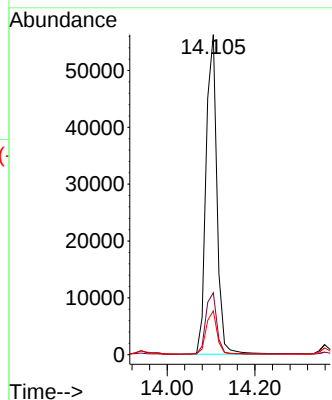
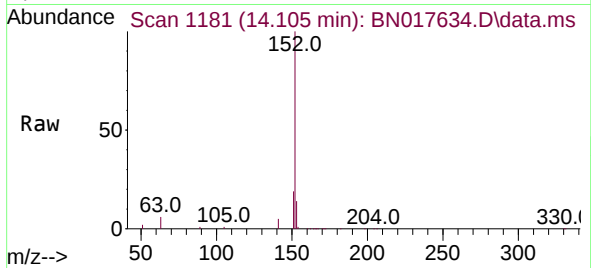




#16
Acenaphthylene
Concen: 0.344 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

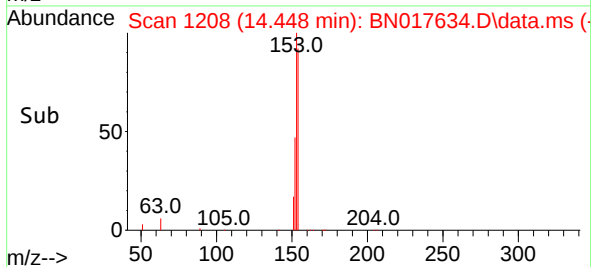
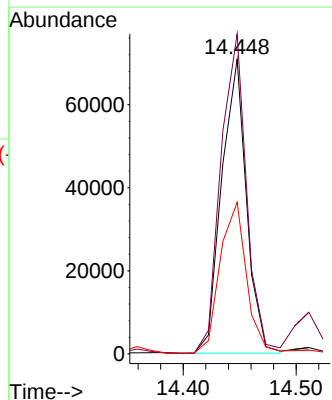
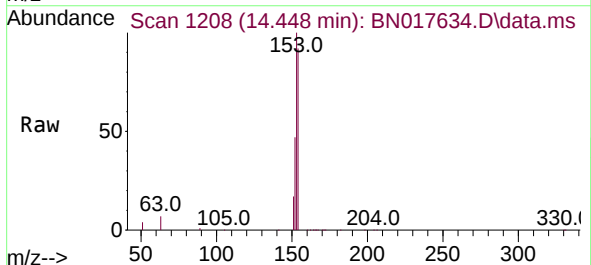
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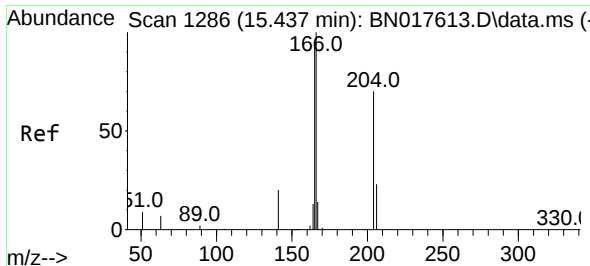
Tgt Ion:152 Resp: 96407
Ion Ratio Lower Upper
152 100
151 19.8 15.5 23.3
153 13.7 10.4 15.6



#17
Acenaphthene
Concen: 0.557 ng
RT: 14.448 min Scan# 1208
Delta R.T. -0.000 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

Tgt Ion:154 Resp: 107863
Ion Ratio Lower Upper
154 100
153 112.8 91.2 136.8
152 55.9 44.3 66.5

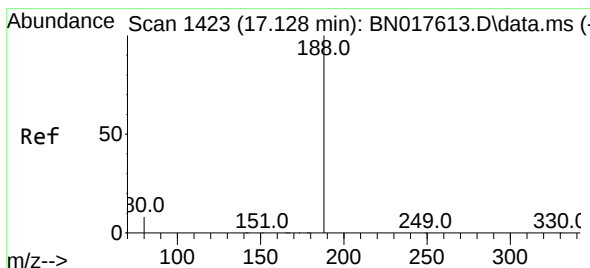
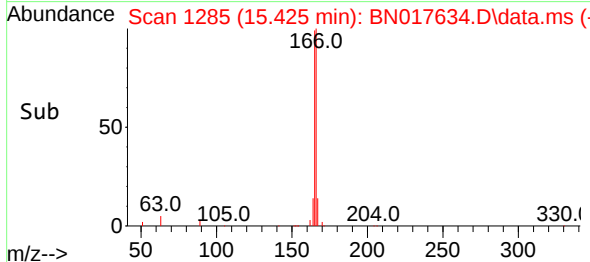
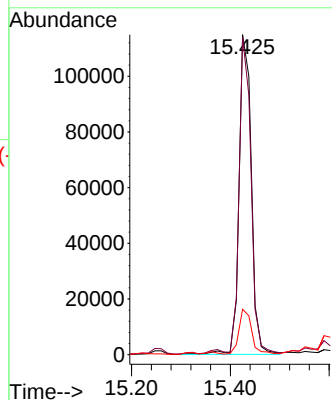
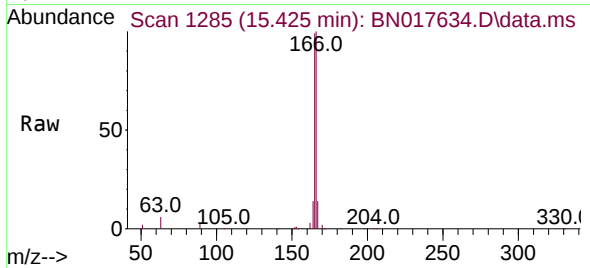




#18
Fluorene
Concen: 0.842 ng
RT: 15.425 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

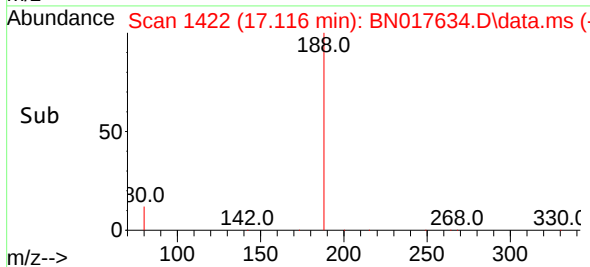
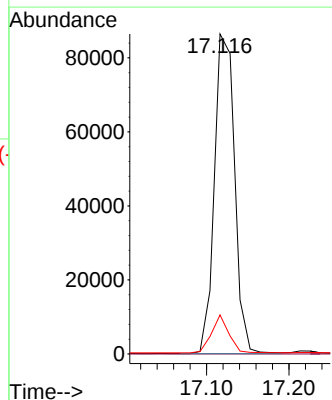
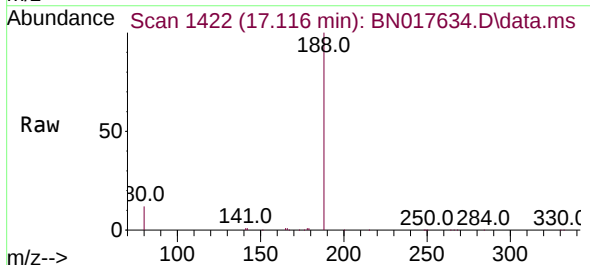
Instrument :
BNA_N
ClientSampleId :
CS-1B

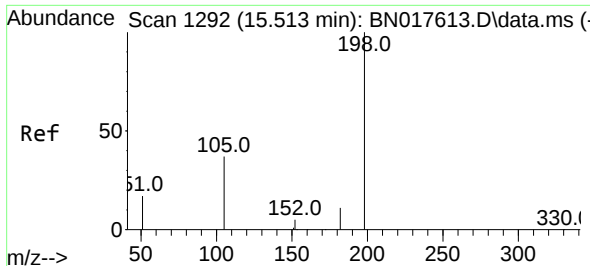
Tgt Ion:166 Resp: 198421
Ion Ratio Lower Upper
166 100
165 97.7 77.9 116.9
167 14.4 10.9 16.3



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.116 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

Tgt Ion:188 Resp: 147244
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.2 6.1 9.1#

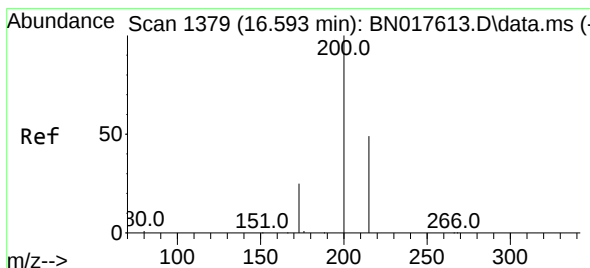
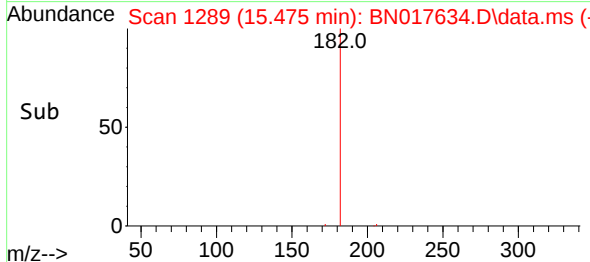
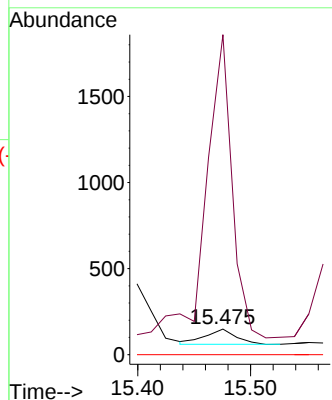
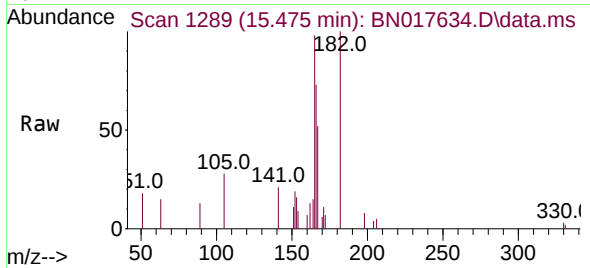




#20
4,6-Dinitro-2-methylphenol
Concen: 0.083 ng
RT: 15.475 min Scan# 1289
Delta R.T. -0.038 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

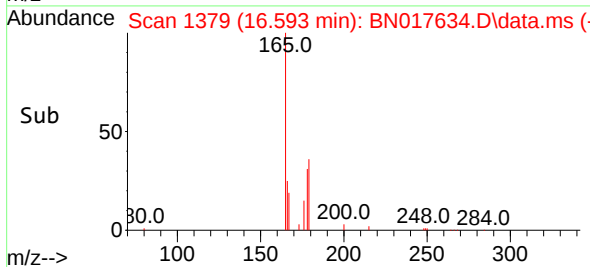
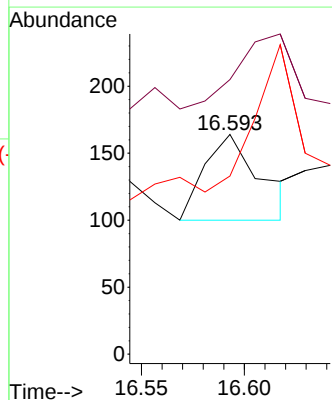
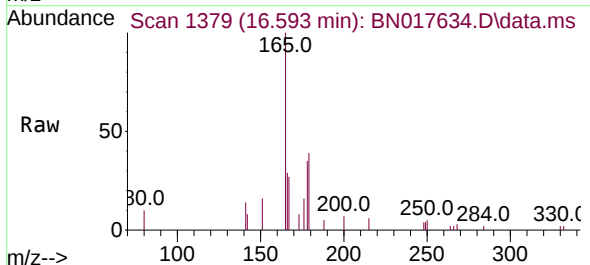
Instrument :
BNA_N
ClientSampleId :
CS-1B

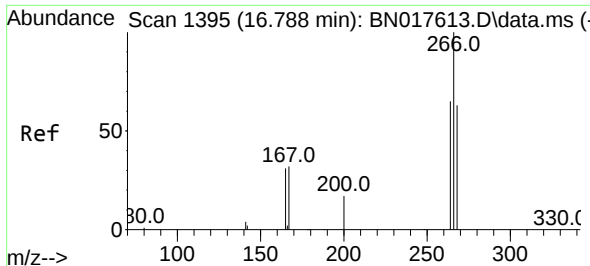
Tgt Ion:198 Resp: 167
Ion Ratio Lower Upper
198 100
182 1247.7 11.4 17.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.133 ng
RT: 16.593 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

Tgt Ion:200 Resp: 121
Ion Ratio Lower Upper
200 100
173 125.0 17.6 26.4#
215 81.1 40.2 60.4#

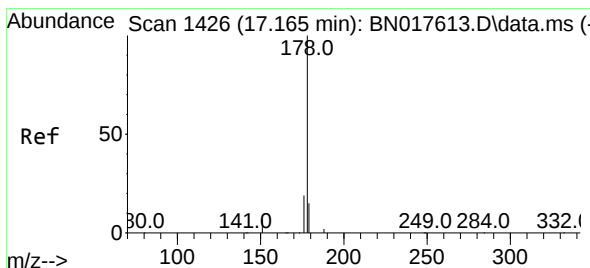
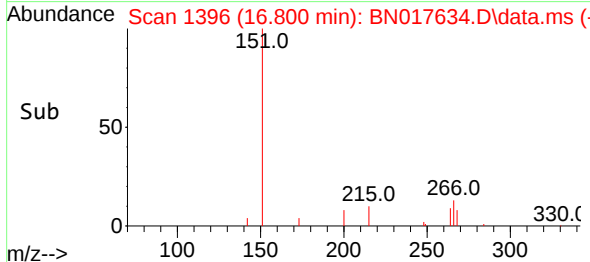
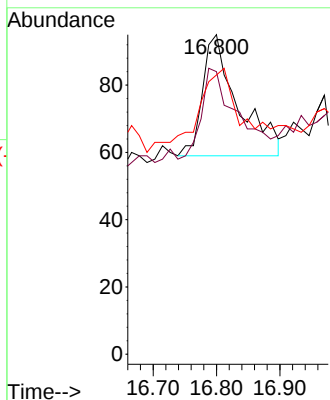
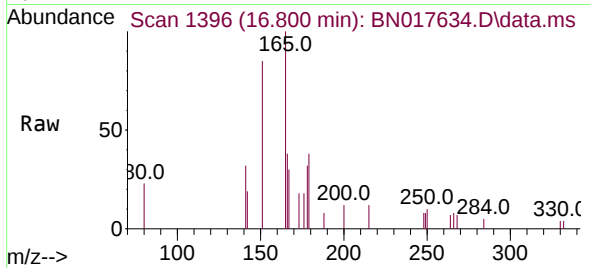




#24
 Pentachlorophenol
 Concen: 0.195 ng
 RT: 16.800 min Scan# 1396
 Delta R.T. 0.012 min
 Lab File: BN017634.D
 Acq: 01 Dec 2021 04:59

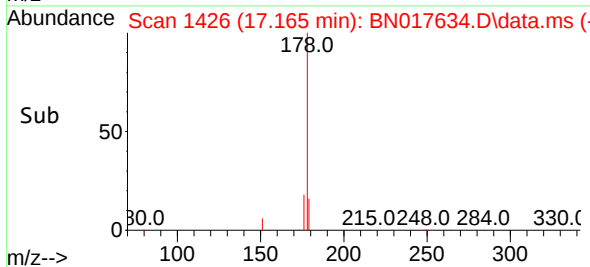
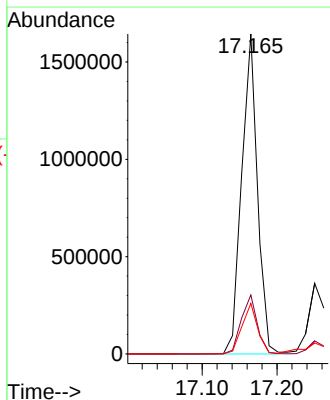
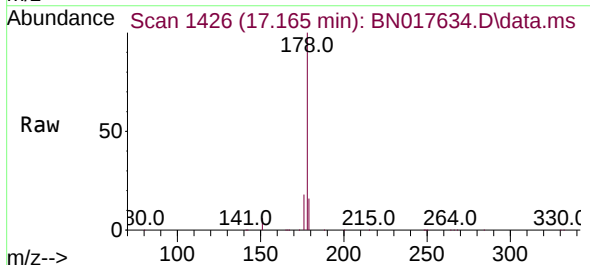
Instrument :
 BNA_N
 ClientSampleId :
 CS-1B

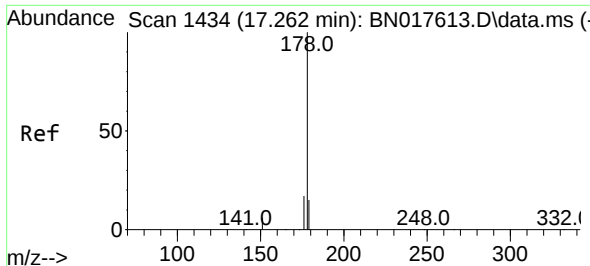
Tgt Ion:266 Resp: 140
 Ion Ratio Lower Upper
 266 100
 264 0.0 49.8 74.8#
 268 70.7 51.3 76.9



#25
 Phenanthrene
 Concen: 5.940 ng
 RT: 17.165 min Scan# 1426
 Delta R.T. -0.000 min
 Lab File: BN017634.D
 Acq: 01 Dec 2021 04:59

Tgt Ion:178 Resp: 2398898
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.0 22.6
 179 15.7 12.3 18.5

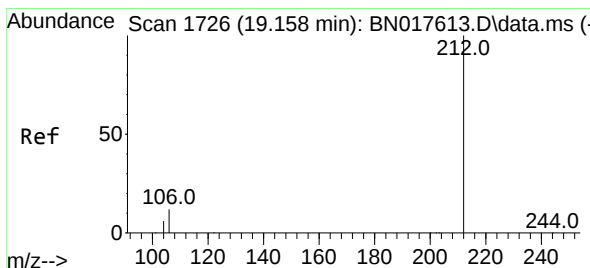
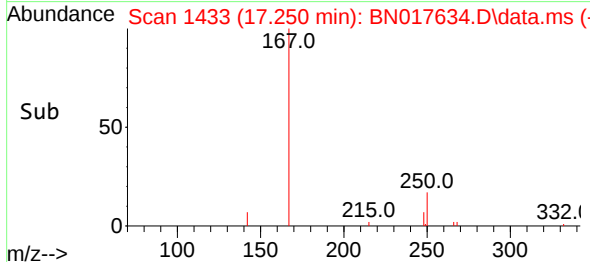
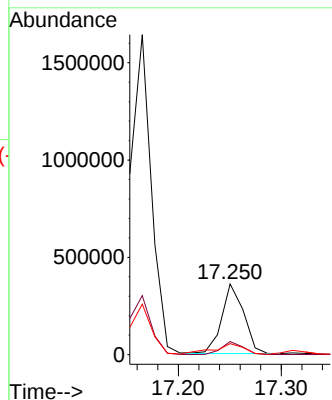
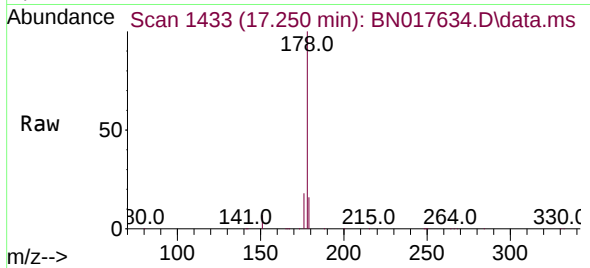




#26
 Anthracene
 Concen: 1.526 ng
 RT: 17.250 min Scan# 1433
 Delta R.T. -0.012 min
 Lab File: BN017634.D
 Acq: 01 Dec 2021 04:59

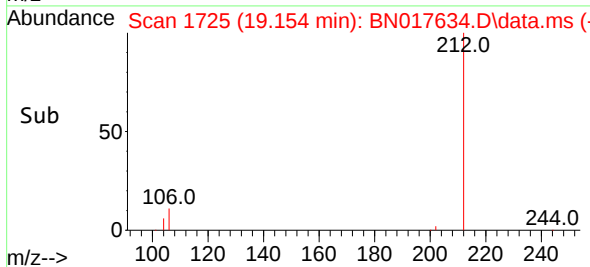
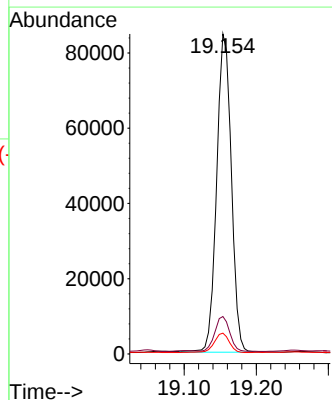
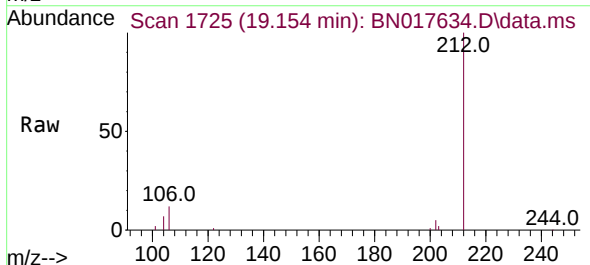
Instrument :
 BNA_N
 ClientSampleId :
 CS-1B

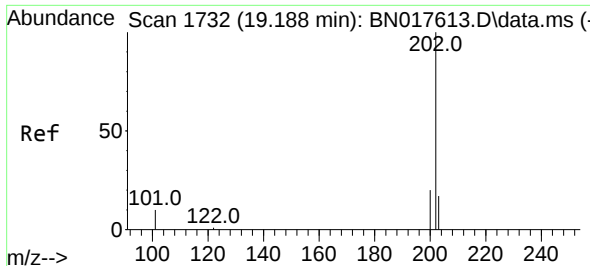
Tgt Ion:178 Resp: 529639
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.6 22.0
 179 20.8 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.259 ng
 RT: 19.154 min Scan# 1725
 Delta R.T. -0.004 min
 Lab File: BN017634.D
 Acq: 01 Dec 2021 04:59

Tgt Ion:212 Resp: 119379
 Ion Ratio Lower Upper
 212 100
 106 11.1 10.5 15.7
 104 6.3 5.8 8.6

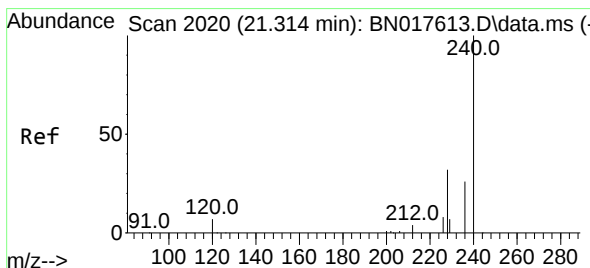
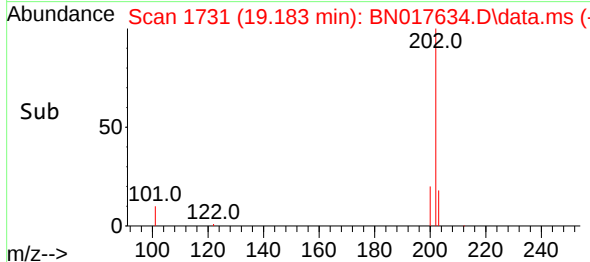
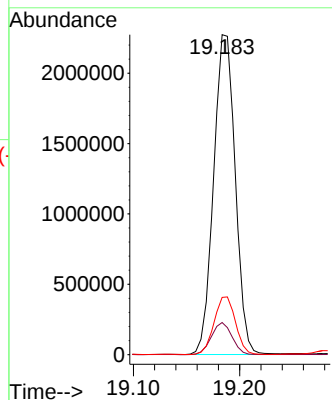
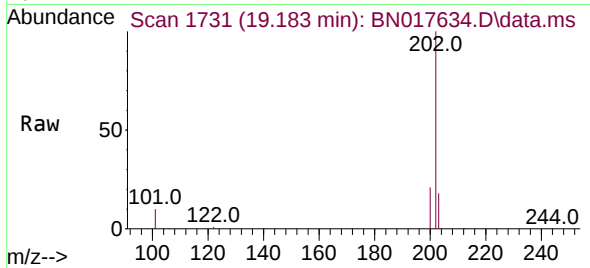




#28
Fluoranthene
Concen: 7.042 ng
RT: 19.183 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

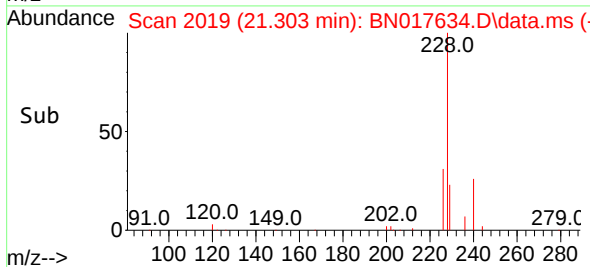
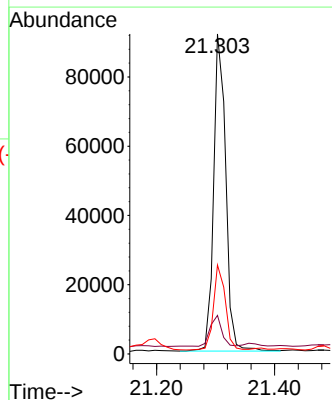
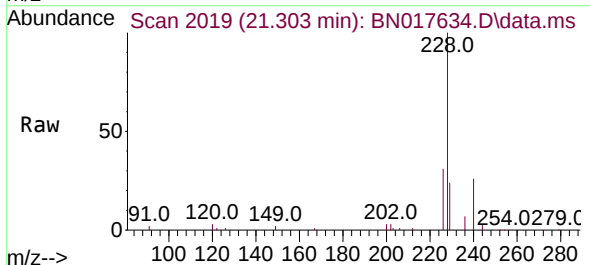
Instrument :
BNA_N
ClientSampleId :
CS-1B

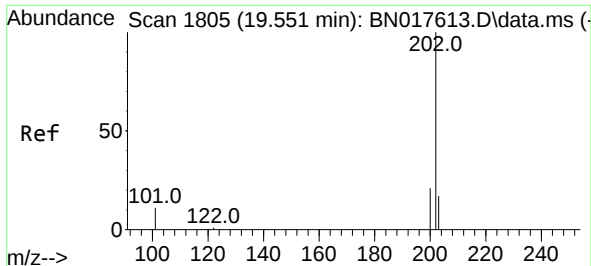
Tgt Ion:202 Resp: 3218480
Ion Ratio Lower Upper
202 100
101 9.5 8.9 13.3
203 17.8 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.303 min Scan# 2019
Delta R.T. -0.011 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

Tgt Ion:240 Resp: 130304
Ion Ratio Lower Upper
240 100
120 12.0 4.2 6.2#
236 27.8 20.0 30.0

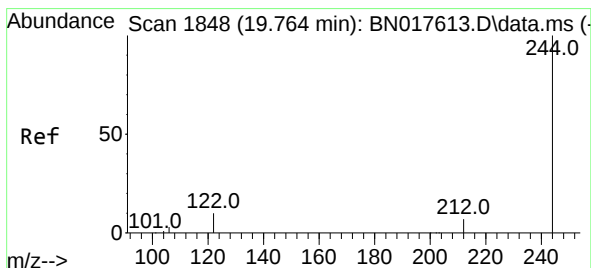
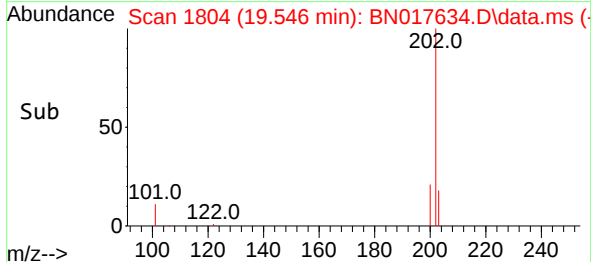
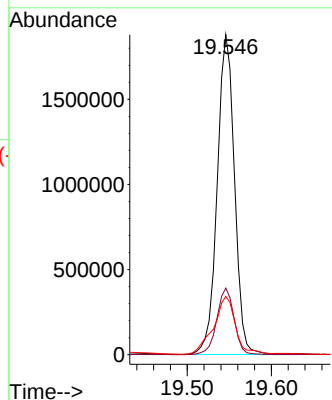
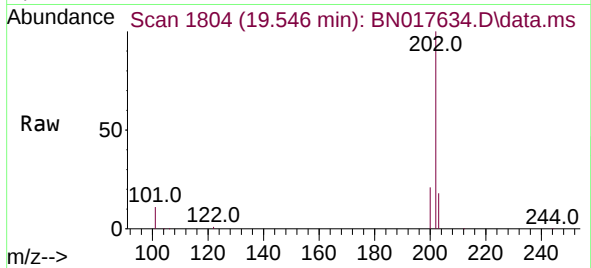




#30
Pyrene
Concen: 6.372 ng
RT: 19.546 min Scan# 1804
Delta R.T. -0.005 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

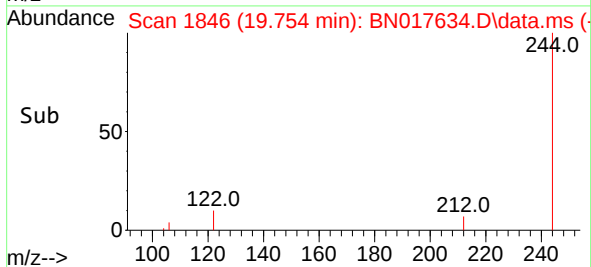
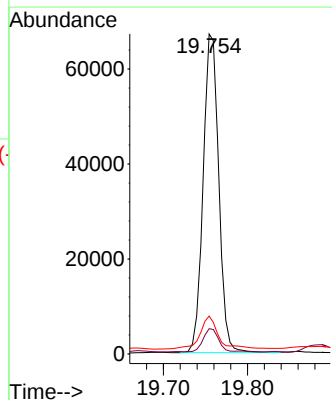
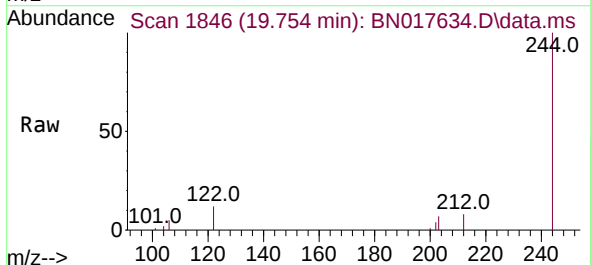
Instrument :
BNA_N
ClientSampleId :
CS-1B

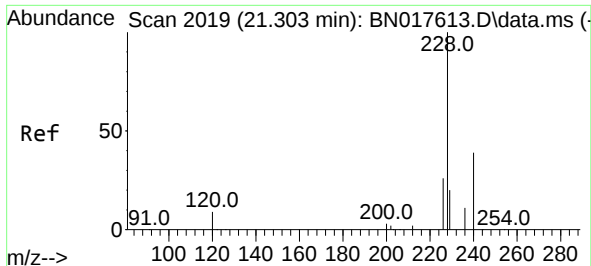
Tgt Ion:202 Resp: 2680367
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 22.8 14.0 21.0#



#31
Terphenyl-d14
Concen: 0.304 ng
RT: 19.754 min Scan# 1846
Delta R.T. -0.010 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

Tgt Ion:244 Resp: 87009
Ion Ratio Lower Upper
244 100
212 7.9 5.7 8.5
122 11.9 8.6 13.0

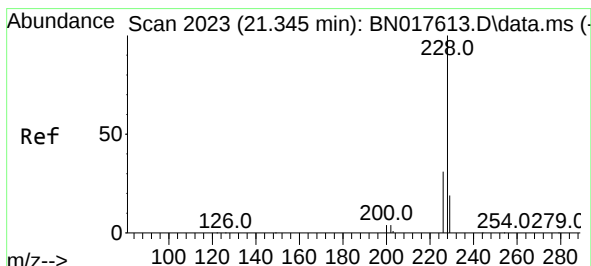
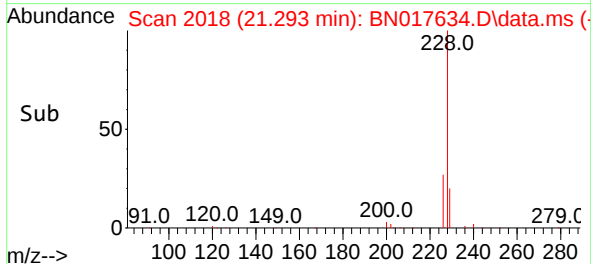
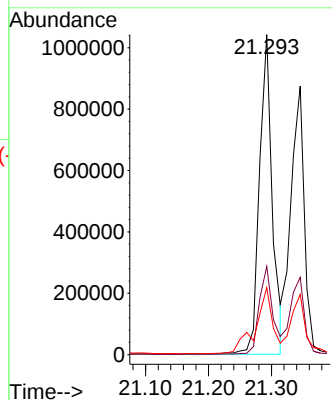
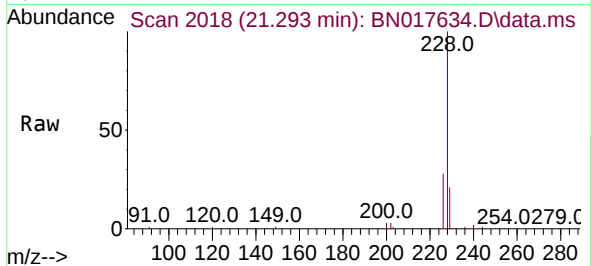




#32
Benzo(a)anthracene
Concen: 3.735 ng
RT: 21.293 min Scan# 2018
Delta R.T. -0.010 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

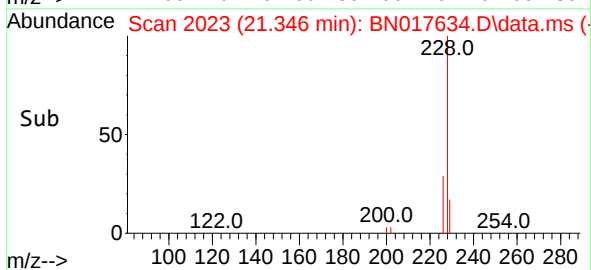
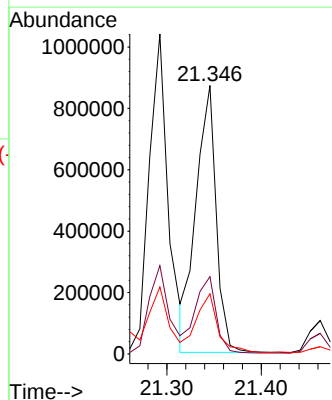
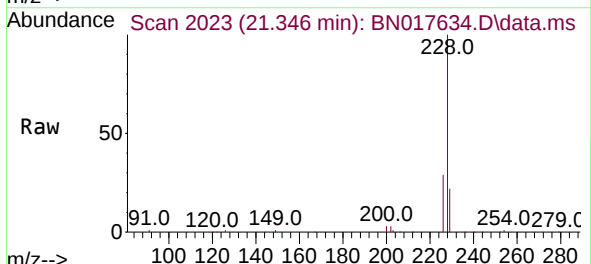
Instrument :
BNA_N
ClientSampleId :
CS-1B

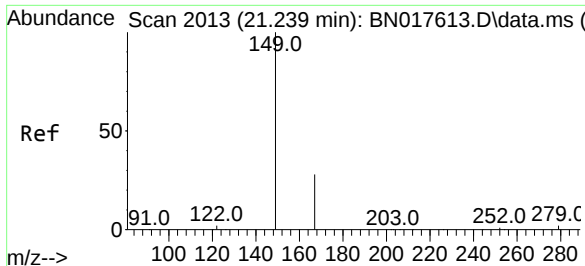
Tgt Ion:228 Resp: 1478312
Ion Ratio Lower Upper
228 100
226 27.6 21.3 31.9
229 20.9 15.7 23.5



#33
Chrysene
Concen: 2.999 ng
RT: 21.346 min Scan# 2023
Delta R.T. 0.001 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

Tgt Ion:228 Resp: 1291213
Ion Ratio Lower Upper
228 100
226 28.8 23.3 34.9
229 22.4 15.6 23.4

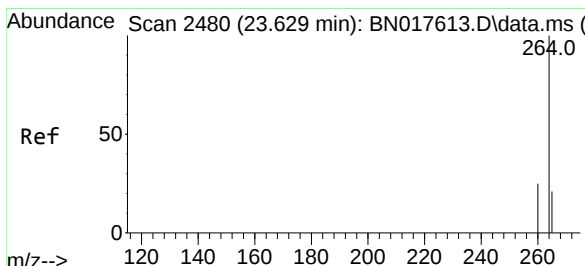
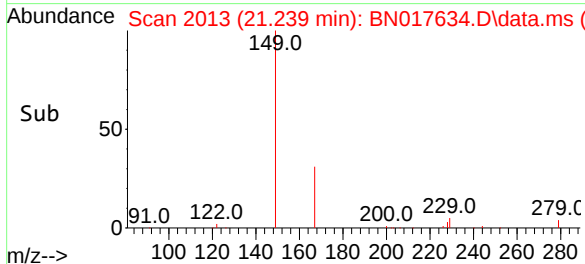
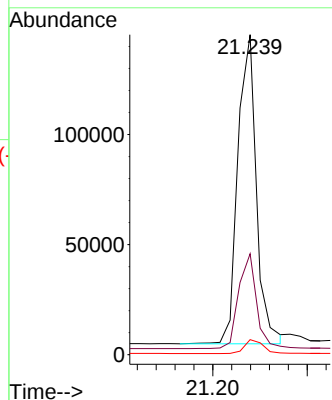
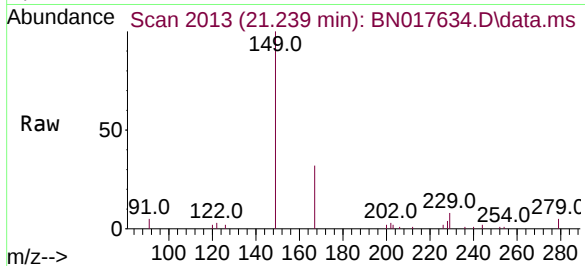




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 2.036 ng
 RT: 21.239 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: BN017634.D
 Acq: 01 Dec 2021 04:59

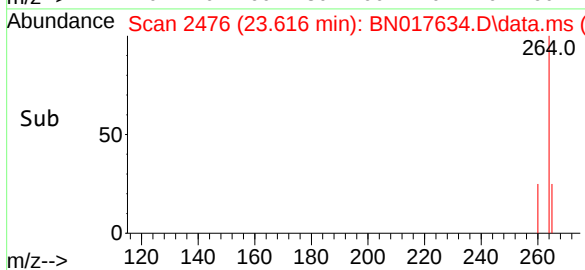
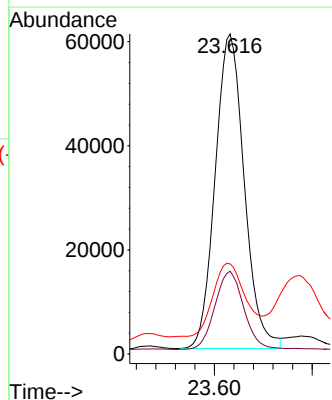
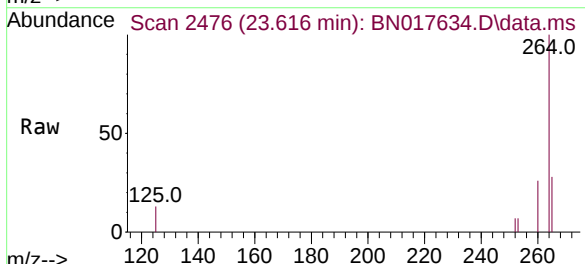
Instrument :
 BNA_N
 ClientSampleId :
 CS-1B

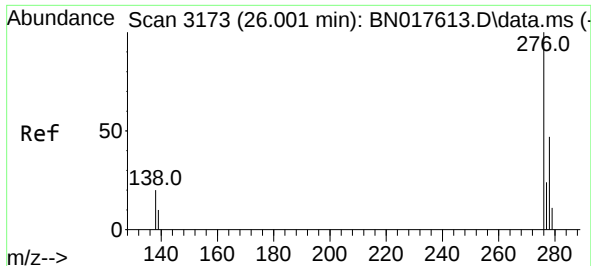
Tgt Ion:149 Resp: 191099
 Ion Ratio Lower Upper
 149 100
 167 29.9 21.8 32.6
 279 4.6 3.4 5.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.616 min Scan# 2476
 Delta R.T. -0.013 min
 Lab File: BN017634.D
 Acq: 01 Dec 2021 04:59

Tgt Ion:264 Resp: 125160
 Ion Ratio Lower Upper
 264 100
 260 25.8 19.4 29.2
 265 28.2 18.6 28.0#

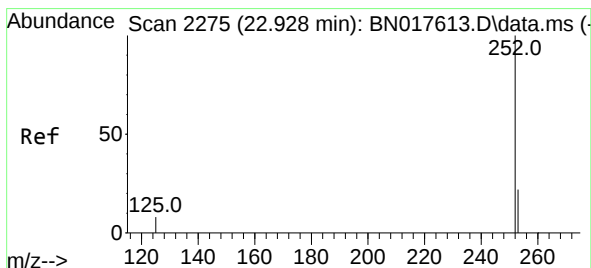
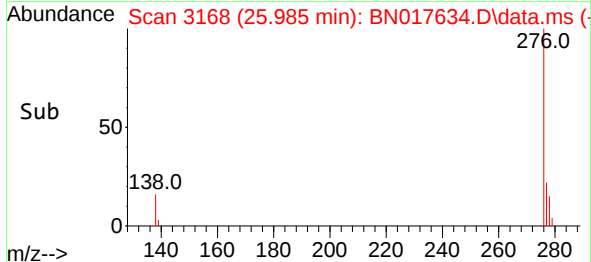
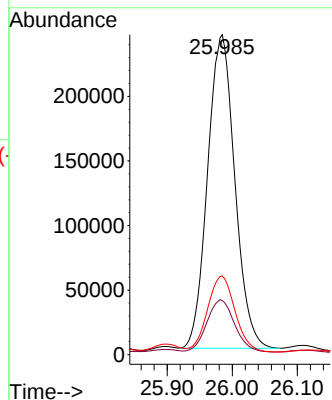
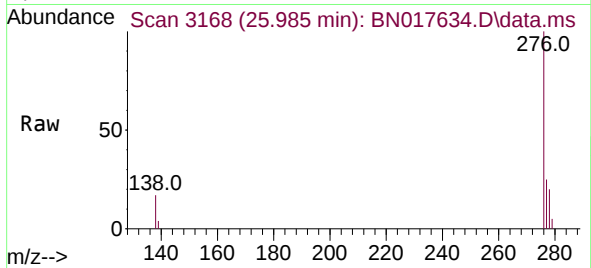




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.737 ng
 RT: 25.985 min Scan# 3173
 Delta R.T. -0.017 min
 Lab File: BN017634.D
 Acq: 01 Dec 2021 04:59

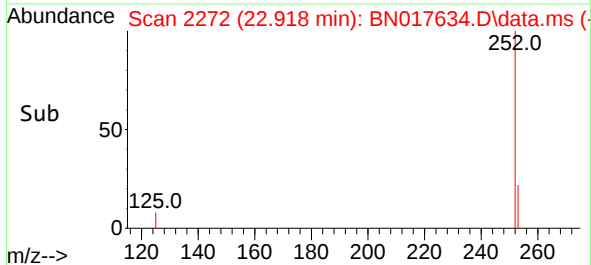
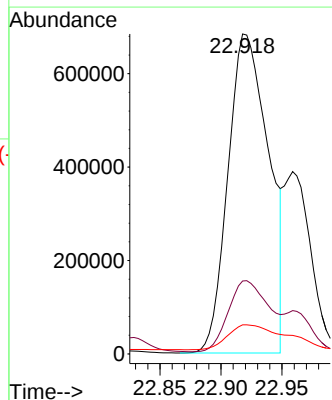
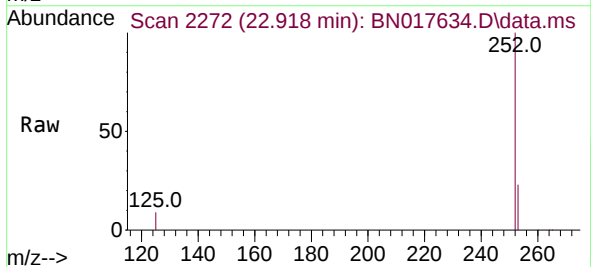
Instrument :
 BNA_N
 ClientSampleId :
 CS-1B

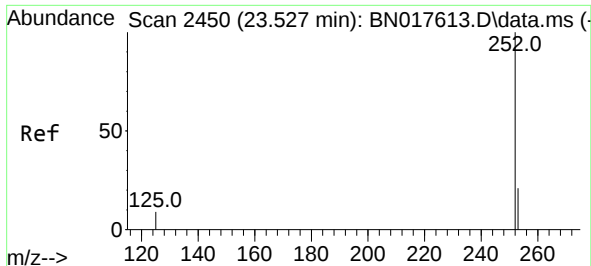
Tgt Ion:276 Resp: 705972
 Ion Ratio Lower Upper
 276 100
 138 17.0 19.7 29.5#
 277 24.6 20.0 30.0



#37
 Benzo(b)fluoranthene
 Concen: 3.816 ng
 RT: 22.918 min Scan# 2272
 Delta R.T. -0.010 min
 Lab File: BN017634.D
 Acq: 01 Dec 2021 04:59

Tgt Ion:252 Resp: 1583693
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.7 26.5
 125 9.1 7.8 11.8





#39

Benzo(a)pyrene

Concen: 2.853 ng

RT: 23.513 min Scan# 24

Delta R.T. -0.013 min

Lab File: BN017634.D

Acq: 01 Dec 2021 04:59

Instrument :

BNA_N

ClientSampleId :

CS-1B

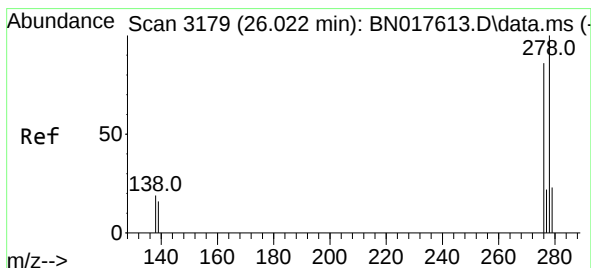
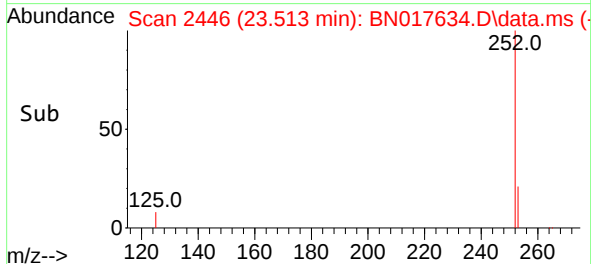
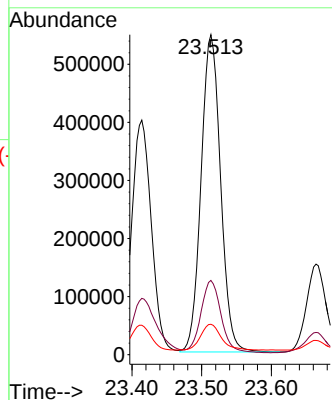
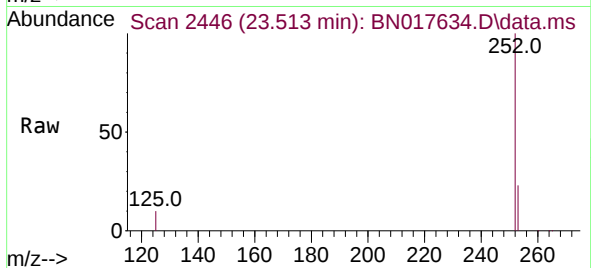
Tgt Ion:252 Resp: 1060104

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

125 9.5 9.2 13.8



#40

Dibenzo(a,h)anthracene

Concen: 0.503 ng

RT: 25.991 min Scan# 3170

Delta R.T. -0.031 min

Lab File: BN017634.D

Acq: 01 Dec 2021 04:59

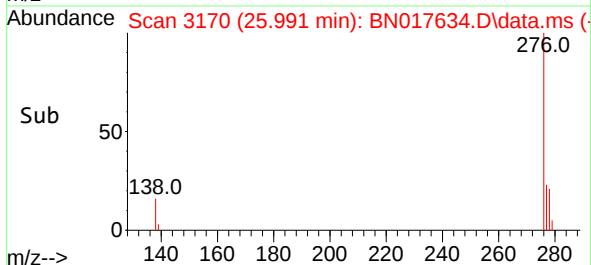
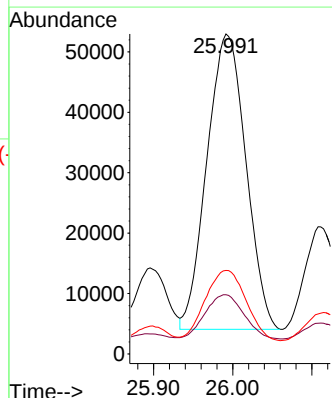
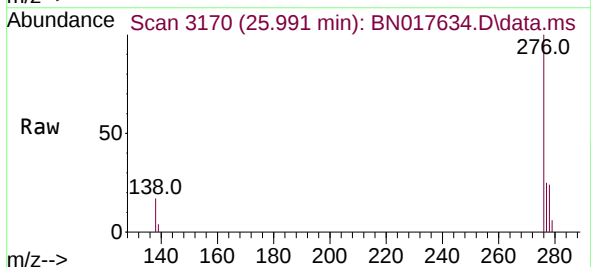
Tgt Ion:278 Resp: 167223

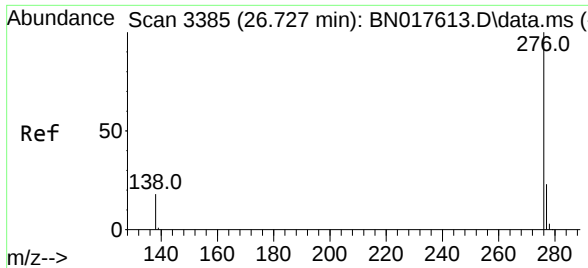
Ion Ratio Lower Upper

278 100

139 18.5 13.0 19.6

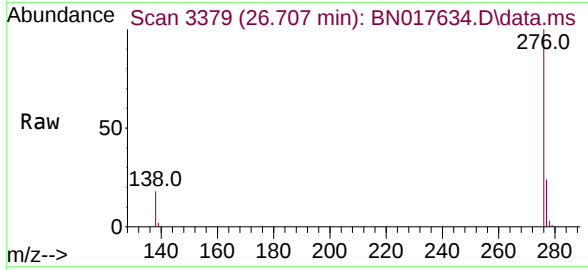
279 26.1 19.2 28.8





#41
Benzo(g,h,i)perylene
Concen: 2.084 ng
RT: 26.707 min Scan# 31
Delta R.T. -0.020 min
Lab File: BN017634.D
Acq: 01 Dec 2021 04:59

Instrument :
BNA_N
ClientSampleId :
CS-1B



Tgt Ion:276 Resp: 712011
Ion Ratio Lower Upper
276 100
277 24.3 19.0 28.4
138 17.6 17.1 25.7

