

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017661.D
 Acq On : 01 Dec 2021 21:27
 Operator : CG/JU
 Sample : M4862-07DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-4BDL

Quant Time: Dec 01 21:58:37 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 01 18:24:35 2021
 Response via : Initial Calibration

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

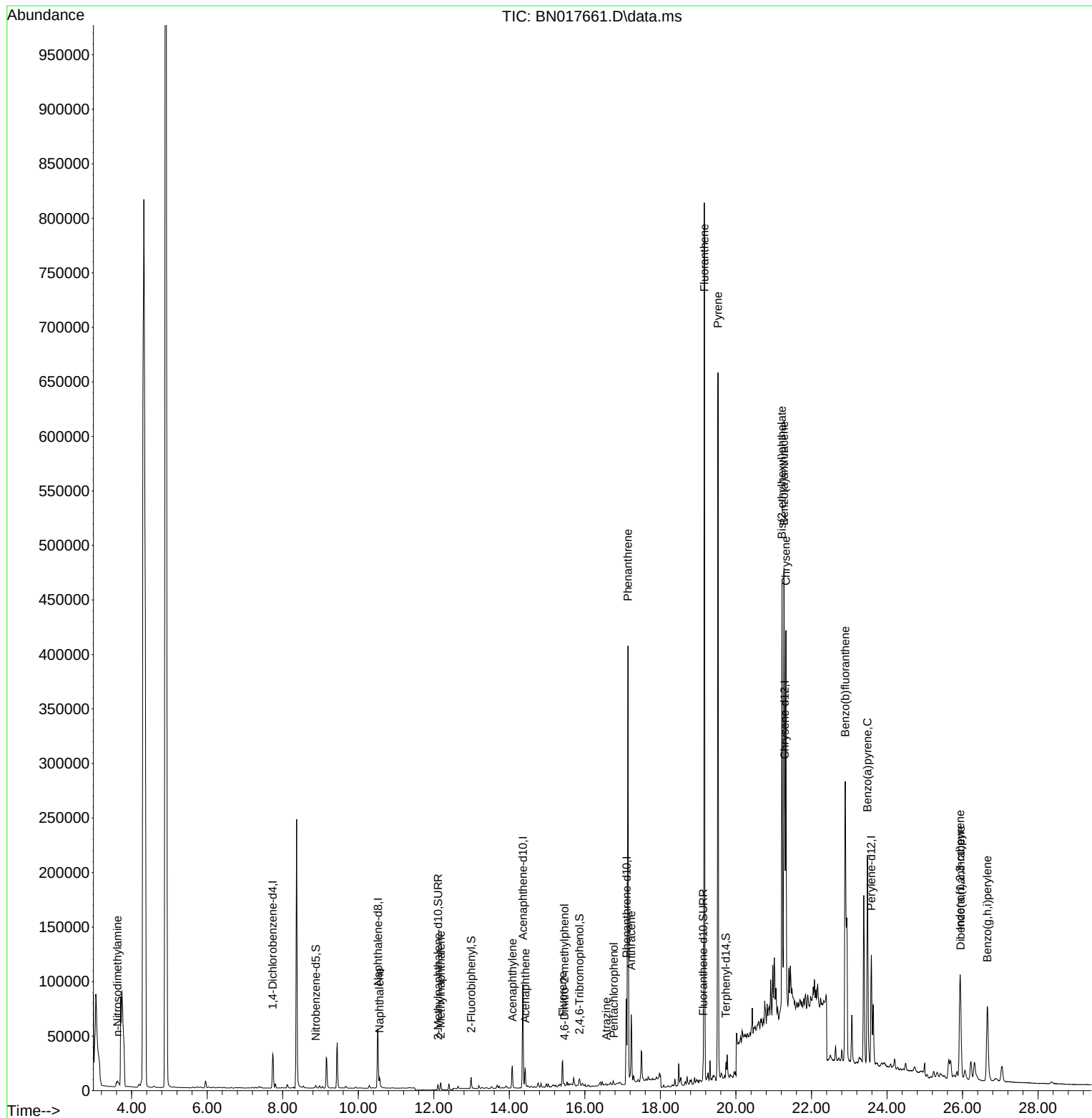
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.736	152	20045	0.400	ng	-0.04
7) Naphthalene-d8	10.522	136	86476	0.400	ng	#-0.03
13) Acenaphthene-d10	14.359	164	56441	0.400	ng	-0.03
19) Phenanthrene-d10	17.104	188	125259	0.400	ng	#-0.01
29) Chrysene-d12	21.292	240	130545	0.400	ng	#-0.01
35) Perylene-d12	23.585	264	139124	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	56	0.001	ng	-0.03
5) Phenol-d6	6.915	99	200	0.004	ng	-0.03
8) Nitrobenzene-d5	8.874	82	2128	0.058	ng	-0.04
11) 2-Methylnaphthalene-d10	12.111	152	7619	0.050	ng	-0.03
14) 2,4,6-Tribromophenol	15.856	330	22	0.126	ng	-0.01
15) 2-Fluorobiphenyl	12.988	172	10030	0.046	ng	-0.03
27) Fluoranthene-d10	19.134	212	22838	0.058	ng	-0.02
31) Terphenyl-d14	19.734	244	15130	0.053	ng	-0.02
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.623	42	3903	0.207	ng	# 1
9) Naphthalene	10.560	128	11849	0.054	ng	97
12) 2-Methylnaphthalene	12.182	142	5309	0.037	ng	# 96
16) Acenaphthylene	14.080	152	25164	0.114	ng	98
17) Acenaphthene	14.422	154	9267	0.061	ng	97
18) Fluorene	15.412	166	19317	0.104	ng	# 93
20) 4,6-Dinitro-2-methylph...	15.463	198	15	0.058	ng	# 1
23) Atrazine	16.568	200	166	0.134	ng	# 1
24) Pentachlorophenol	16.763	266	56	0.194	ng	# 60
25) Phenanthrene	17.140	178	414481	1.207	ng	100
26) Anthracene	17.226	178	79095	0.268	ng	# 95
28) Fluoranthene	19.163	202	729163	1.876	ng	# 97
30) Pyrene	19.526	202	603219	1.431	ng	# 96
32) Benzo(a)anthracene	21.271	228	327596	0.826	ng	96
33) Chrysene	21.324	228	318382	0.738	ng	97
34) Bis(2-ethylhexyl)phtha...	21.218	149	376776	4.006	ng	96
36) Indeno(1,2,3-cd)pyrene	25.936	276	166773	0.369	ng	# 92
37) Benzo(b)fluoranthene	22.893	252	436818	0.947	ng	# 92
39) Benzo(a)pyrene	23.482	252	276657	0.670	ng	# 93
40) Dibenzo(a,h)anthracene	25.950	278	40281	0.109	ng	# 61
41) Benzo(g,h,i)perylene	26.655	276	157709	0.415	ng	93

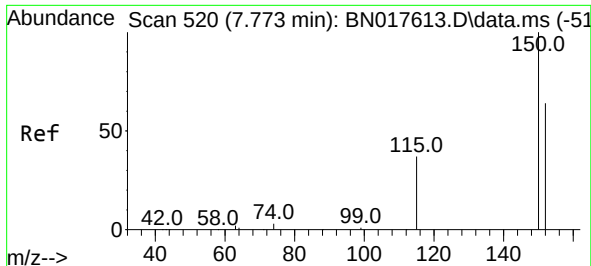
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
Data File : BN017661.D
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BNA_N
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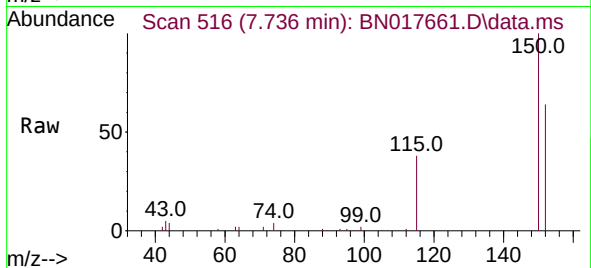
Quant Time: Dec 01 21:58:37 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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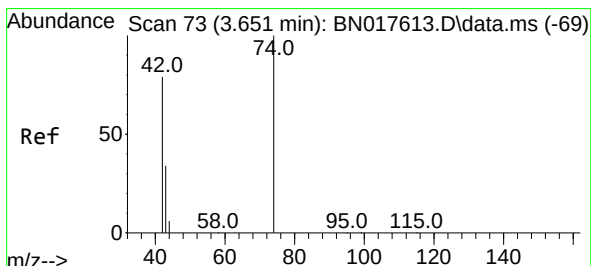
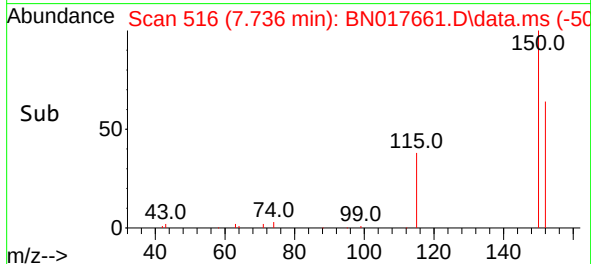
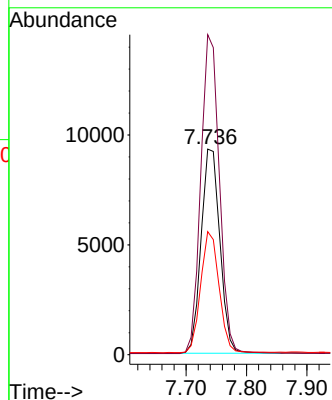


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 51
Delta R.T. -0.037 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

Instrument :
BNA_N
ClientSampleId :
CS-4BDL

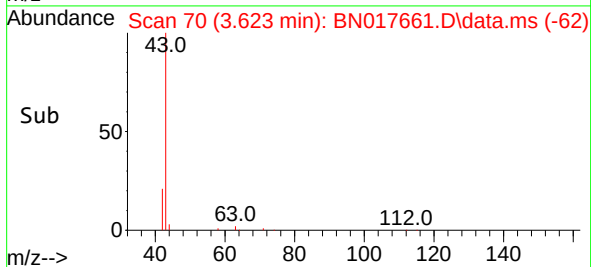
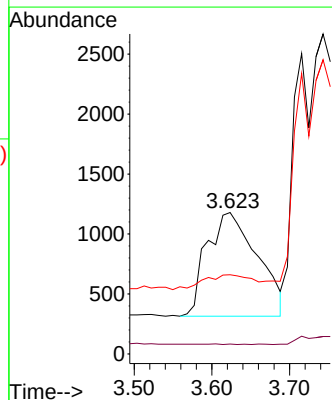
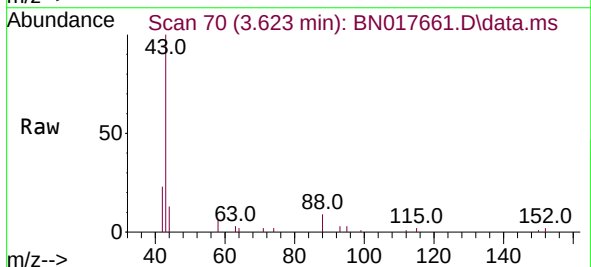


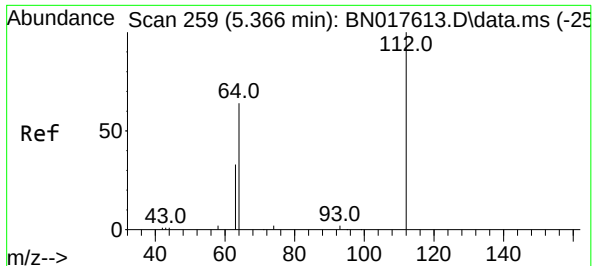
Tgt Ion:152 Resp: 20045
Ion Ratio Lower Upper
152 100
150 155.6 123.0 184.4
115 59.8 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.207 ng
RT: 3.623 min Scan# 70
Delta R.T. -0.028 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

Tgt Ion: 42 Resp: 3903
Ion Ratio Lower Upper
42 100
74 0.0 97.8 146.6#
44 14.7 5.5 8.3#

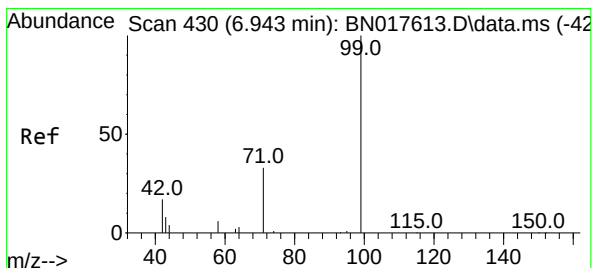
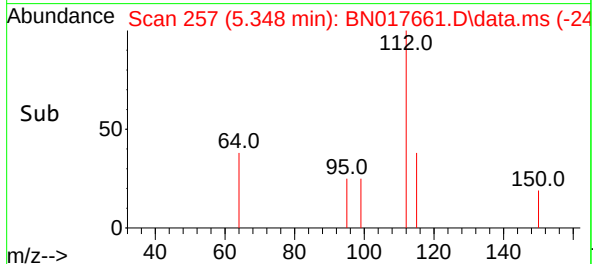
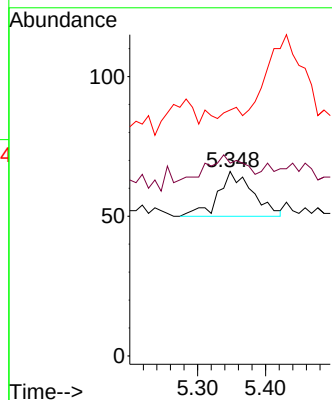
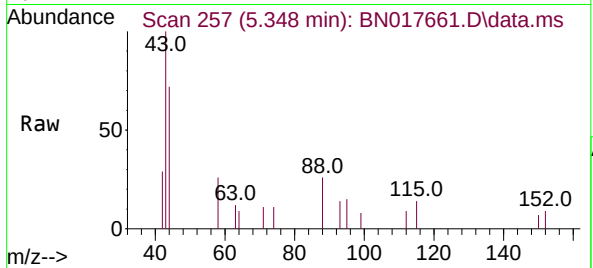




#4
2-Fluorophenol
Concen: 0.001 ng
RT: 5.348 min Scan# 21
Delta R.T. -0.028 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

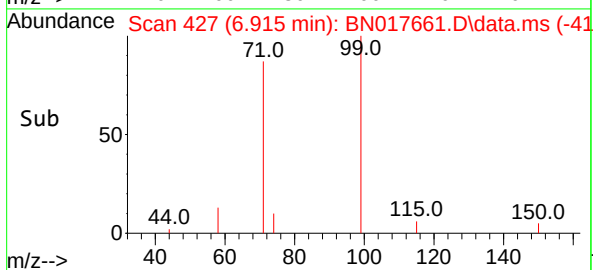
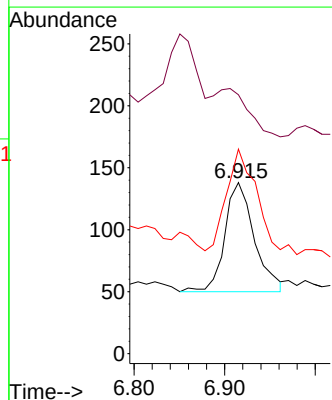
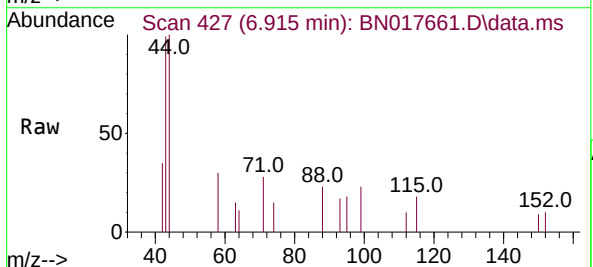
Instrument :
BNA_N
ClientSampleId :
CS-4BDL

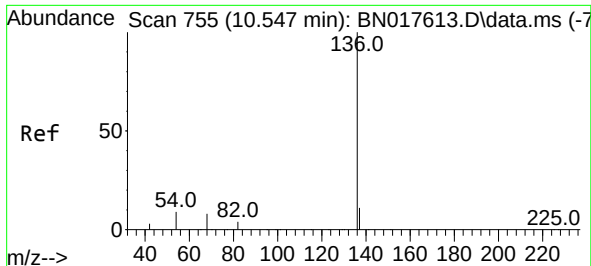
Tgt Ion:112 Resp: 56
Ion Ratio Lower Upper
112 100
64 53.6 47.6 71.4
63 10.7 24.6 37.0#



#5
Phenol-d6
Concen: 0.004 ng
RT: 6.915 min Scan# 427
Delta R.T. -0.028 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

Tgt Ion: 99 Resp: 200
Ion Ratio Lower Upper
99 100
42 0.0 17.0 25.6#
71 91.0 24.8 37.2#

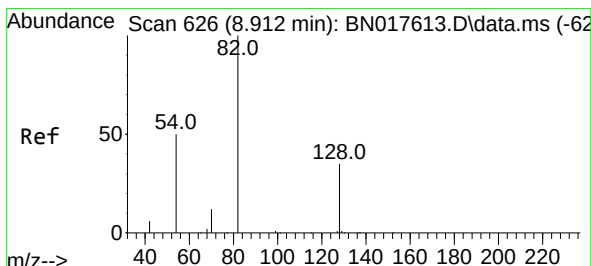
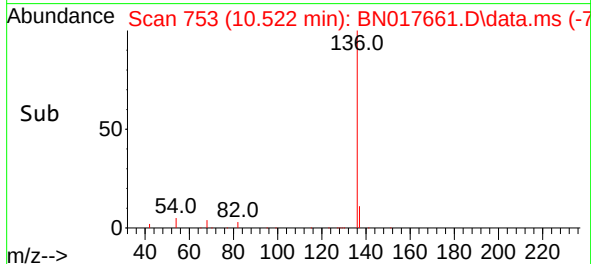
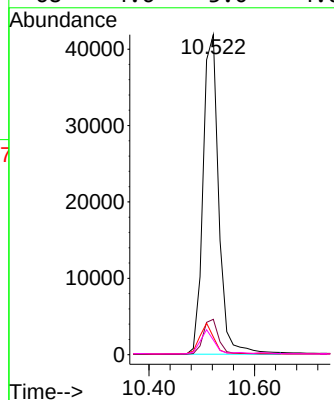
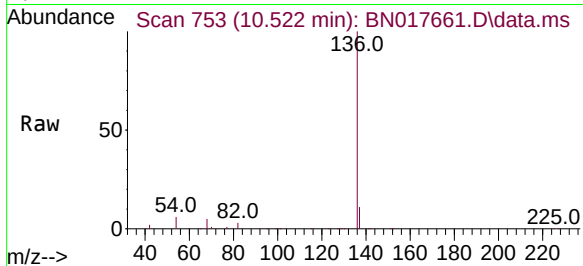




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.522 min Scan# 71
Delta R.T. -0.025 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

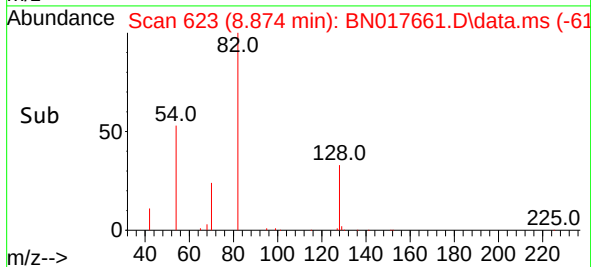
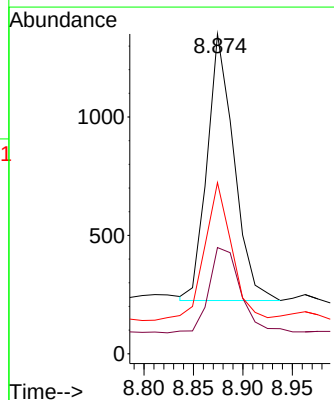
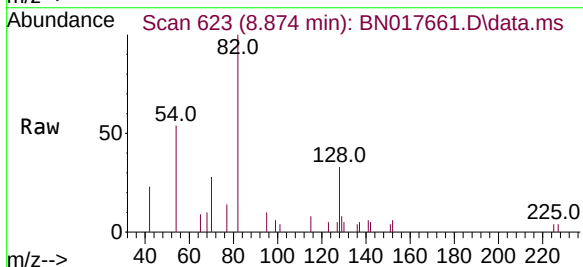
Instrument :
BNA_N
ClientSampleId :
CS-4BDL

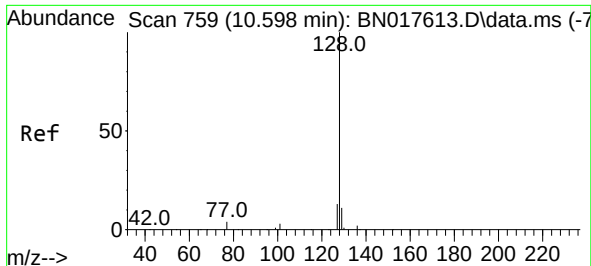
Tgt Ion:136 Resp: 86476
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 5.5 4.0 6.0
68 4.6 3.0 4.6#



#8
Nitrobenzene-d5
Concen: 0.058 ng
RT: 8.874 min Scan# 623
Delta R.T. -0.038 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

Tgt Ion: 82 Resp: 2128
Ion Ratio Lower Upper
82 100
128 33.2 27.7 41.5
54 53.5 49.2 73.8

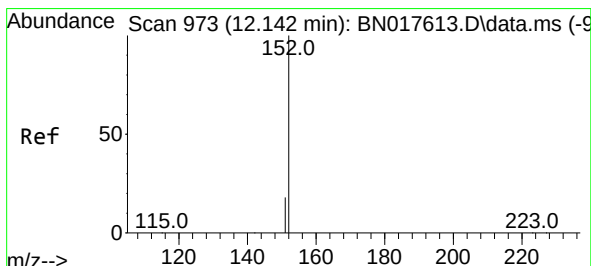
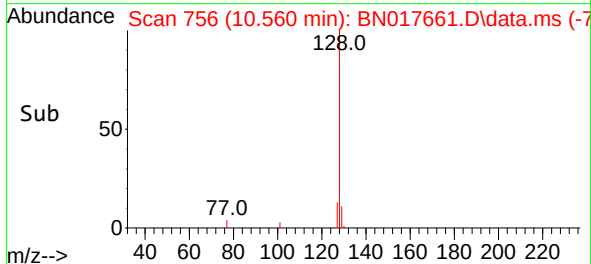
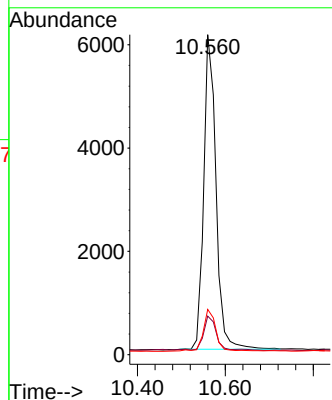
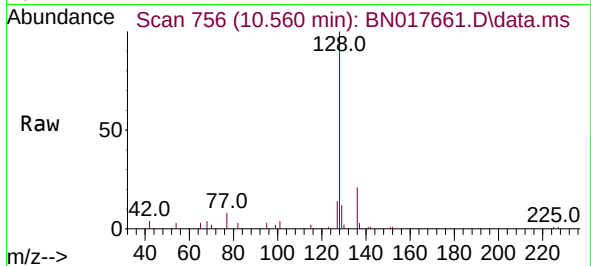




#9
Naphthalene
Concen: 0.054 ng
RT: 10.560 min Scan# 71
Delta R.T. -0.038 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

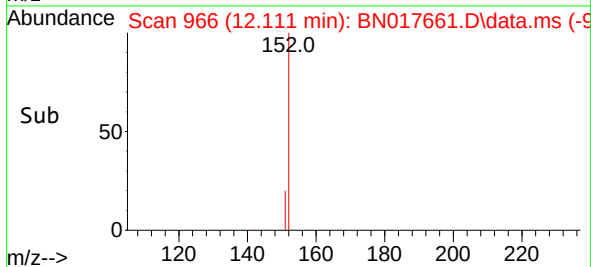
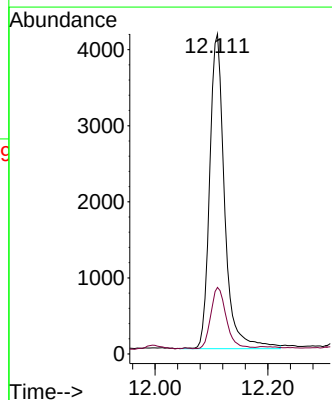
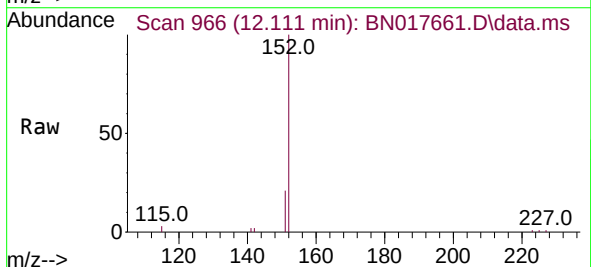
Instrument :
BNA_N
ClientSampleId :
CS-4BDL

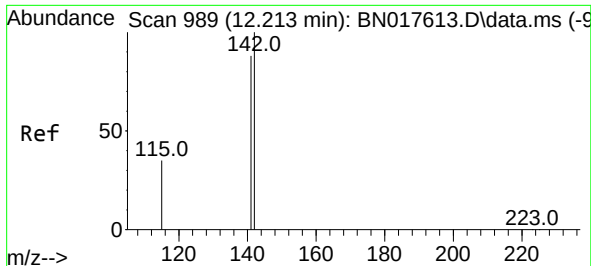
Tgt Ion:128 Resp: 11849
Ion Ratio Lower Upper
128 100
129 12.1 8.8 13.2
127 14.1 10.6 15.8



#11
2-Methylnaphthalene-d10
Concen: 0.050 ng
RT: 12.111 min Scan# 966
Delta R.T. -0.027 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

Tgt Ion:152 Resp: 7619
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.037 ng

RT: 12.182 min Scan# 91

Delta R.T. -0.031 min

Lab File: BN017661.D

Acq: 01 Dec 2021 21:27

Instrument :

BNA_N

ClientSampleId :

CS-4BDL

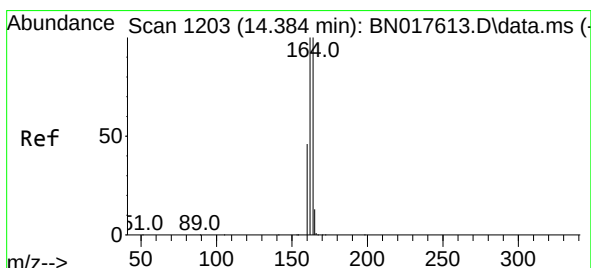
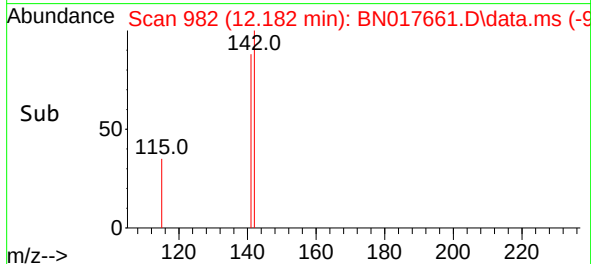
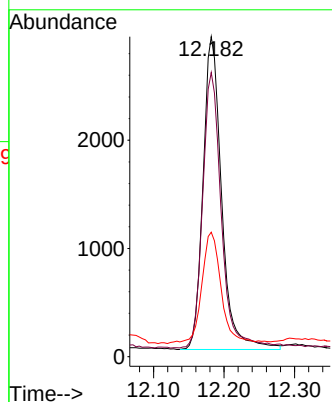
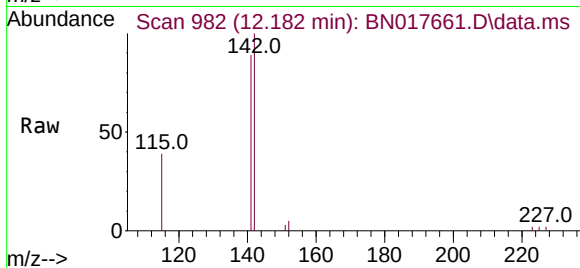
Tgt Ion:142 Resp: 5309

Ion Ratio Lower Upper

142 100

141 88.8 70.6 106.0

115 38.9 25.8 38.6#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.359 min Scan# 1201

Delta R.T. -0.025 min

Lab File: BN017661.D

Acq: 01 Dec 2021 21:27

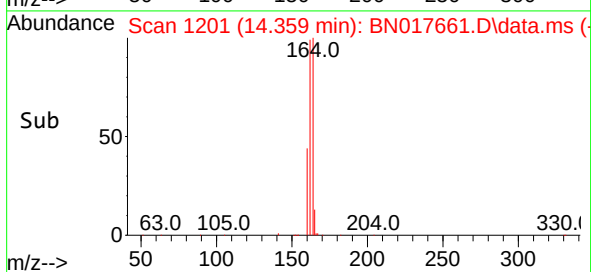
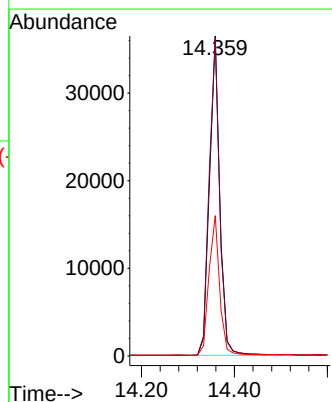
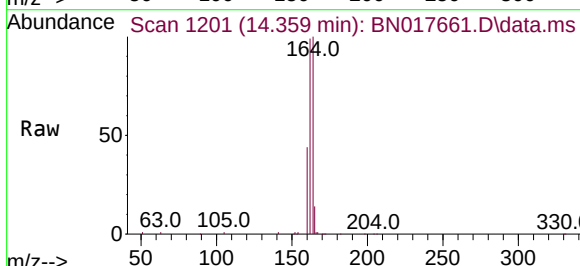
Tgt Ion:164 Resp: 56441

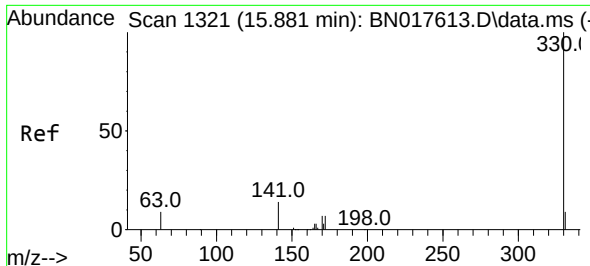
Ion Ratio Lower Upper

164 100

162 99.3 81.4 122.2

160 43.9 36.8 55.2

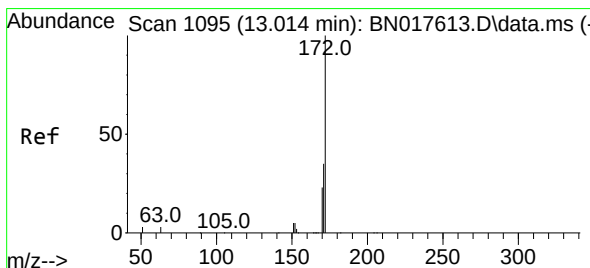
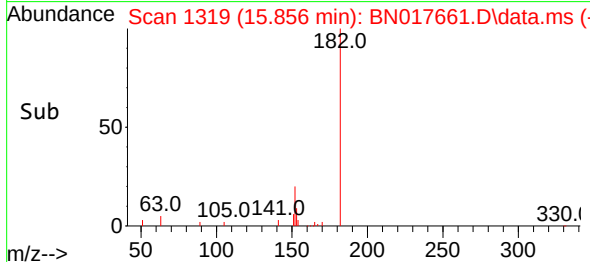
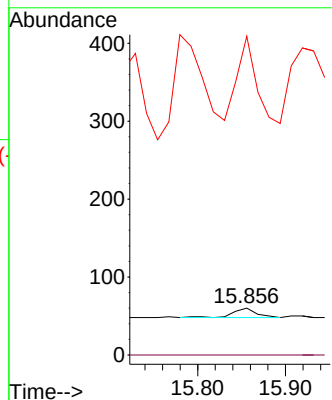
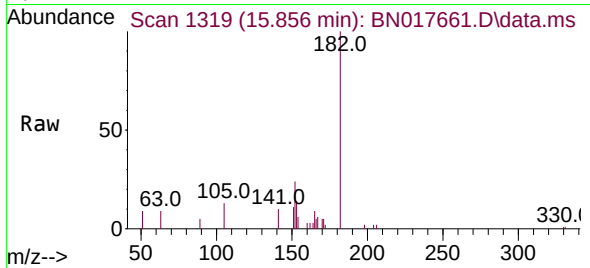




#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.856 min Scan# 11
Delta R.T. -0.013 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

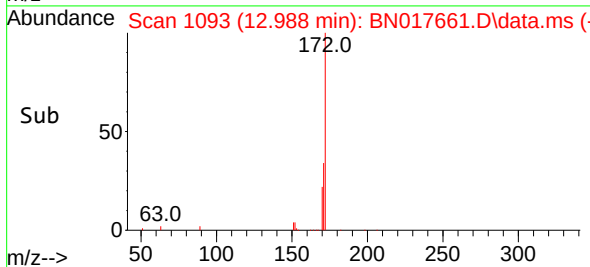
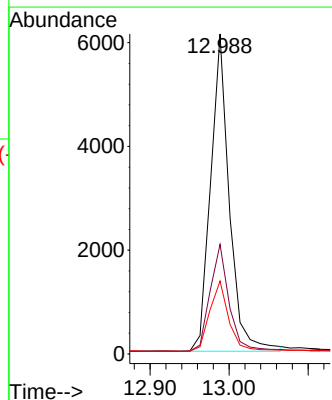
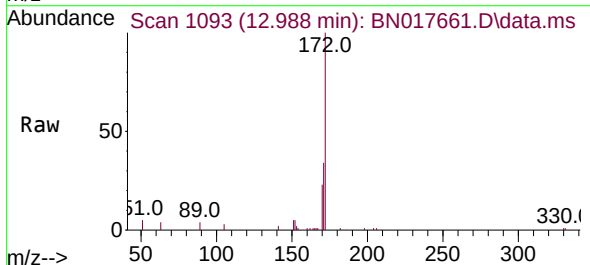
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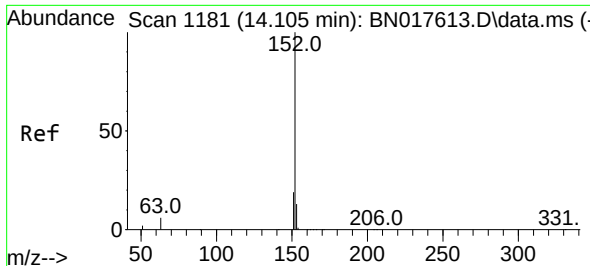
Tgt Ion:330 Resp: 22
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 736.4 28.9 43.3#



#15
2-Fluorobiphenyl
Concen: 0.046 ng
RT: 12.988 min Scan# 1093
Delta R.T. -0.025 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

Tgt Ion:172 Resp: 10030
Ion Ratio Lower Upper
172 100
171 34.2 28.7 43.1
170 22.8 19.4 29.2

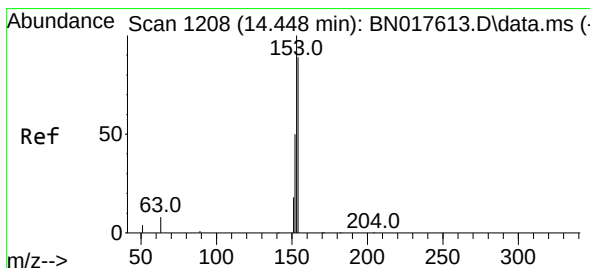
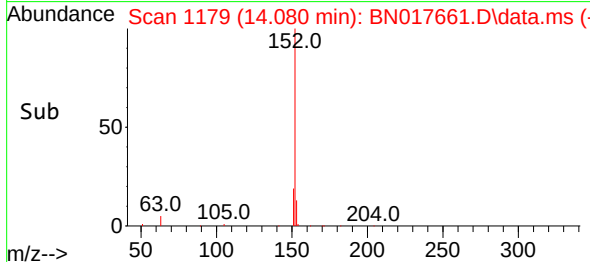
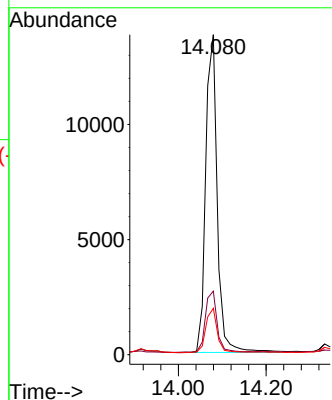
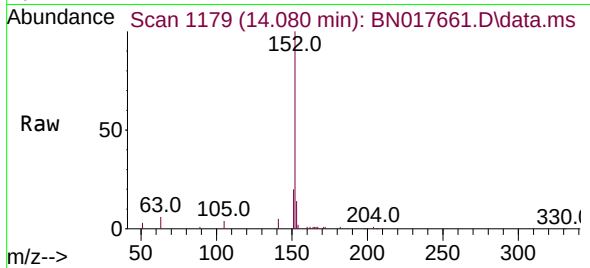




#16
Acenaphthylene
Concen: 0.114 ng
RT: 14.080 min Scan# 1179
Delta R.T. -0.025 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

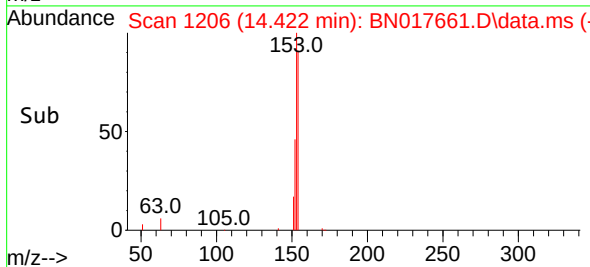
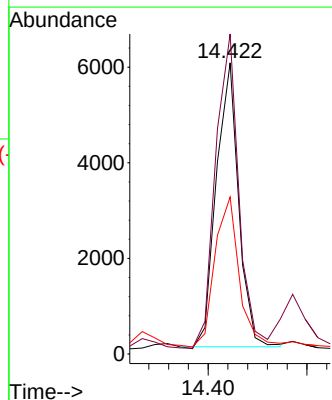
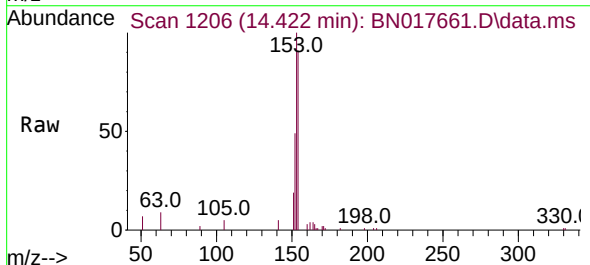
Instrument :
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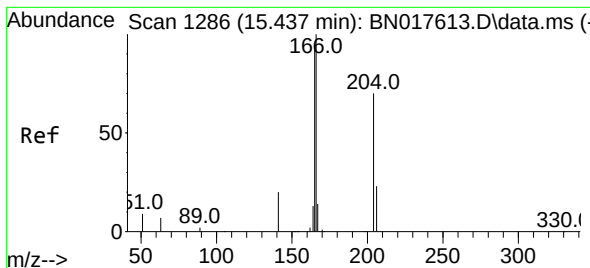
Tgt Ion:152 Resp: 25164
Ion Ratio Lower Upper
152 100
151 19.9 15.5 23.3
153 13.9 10.4 15.6



#17
Acenaphthene
Concen: 0.061 ng
RT: 14.422 min Scan# 1206
Delta R.T. -0.025 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

Tgt Ion:154 Resp: 9267
Ion Ratio Lower Upper
154 100
153 115.6 91.2 136.8
152 60.5 44.3 66.5





#18

Fluorene

Concen: 0.104 ng

RT: 15.412 min Scan# 1284

Delta R.T. -0.013 min

Lab File: BN017661.D

Acq: 01 Dec 2021 21:27

Instrument :

BNA_N

ClientSampleId :

CS-4BDL

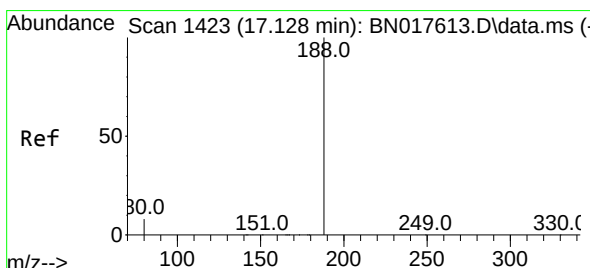
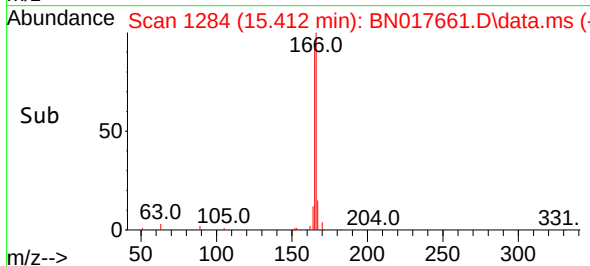
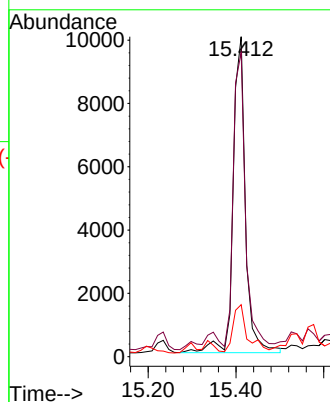
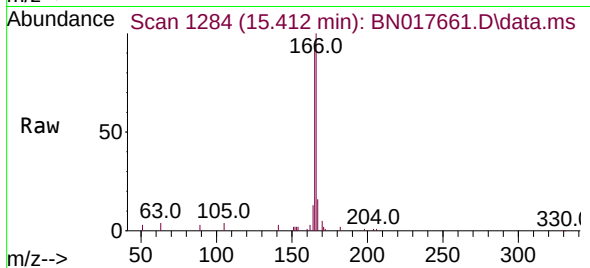
Tgt Ion:166 Resp: 19317

Ion Ratio Lower Upper

166 100

165 91.2 77.9 116.9

167 17.0 10.9 16.3#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.104 min Scan# 1421

Delta R.T. -0.012 min

Lab File: BN017661.D

Acq: 01 Dec 2021 21:27

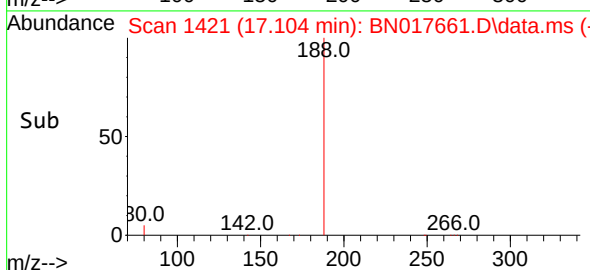
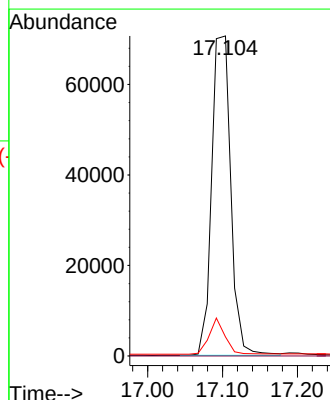
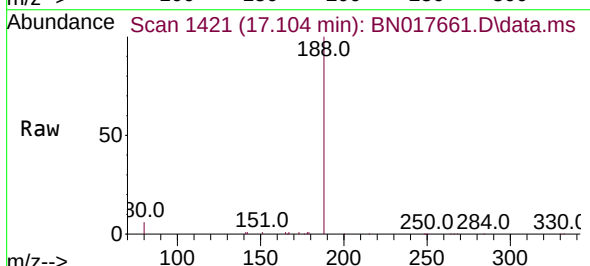
Tgt Ion:188 Resp: 125259

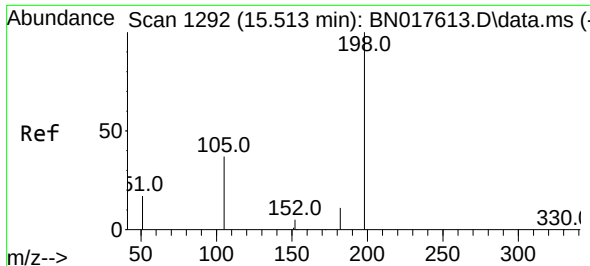
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.0 6.1 9.1#

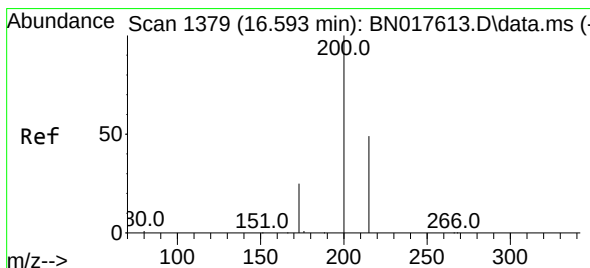
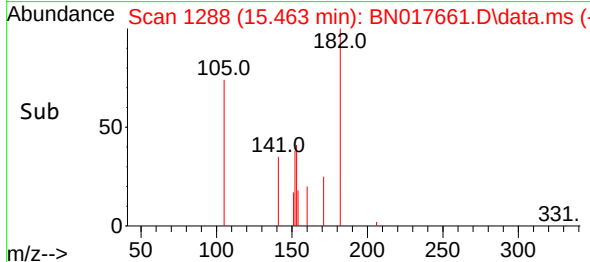
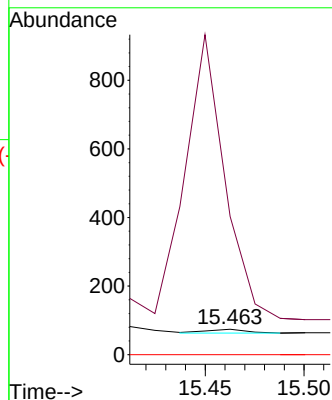
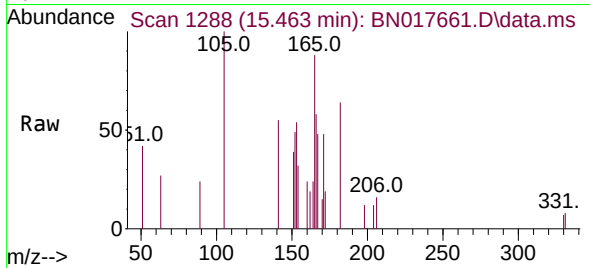




#20
4,6-Dinitro-2-methylphenol
Concen: 0.058 ng
RT: 15.463 min Scan# 1288
Delta R.T. -0.051 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

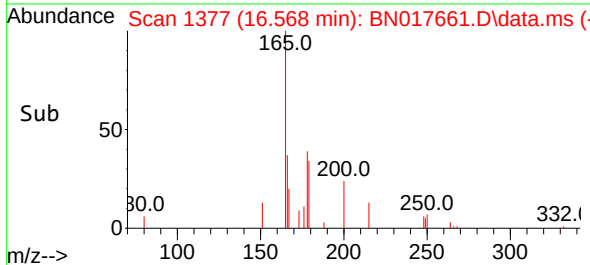
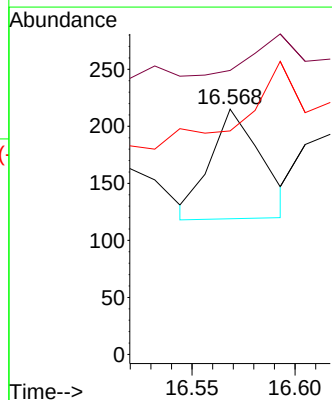
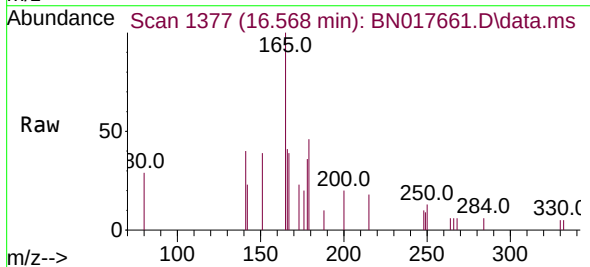
Instrument :
BNA_N
ClientSampleId :
CS-4BDL

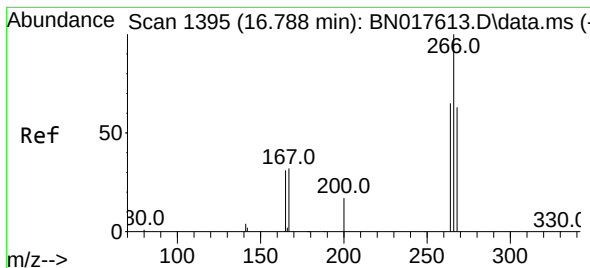
Tgt Ion:198 Resp: 15
Ion Ratio Lower Upper
198 100
182 544.6 11.4 17.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.134 ng
RT: 16.568 min Scan# 1377
Delta R.T. -0.024 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

Tgt Ion:200 Resp: 166
Ion Ratio Lower Upper
200 100
173 115.8 17.6 26.4#
215 91.2 40.2 60.4#





#24

Pentachlorophenol

Concen: 0.194 ng

RT: 16.763 min Scan# 1393

Delta R.T. -0.012 min

Lab File: BN017661.D

Acq: 01 Dec 2021 21:27

Instrument :

BNA_N

ClientSampleId :

CS-4BDL

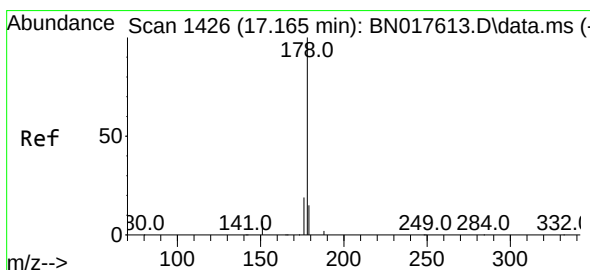
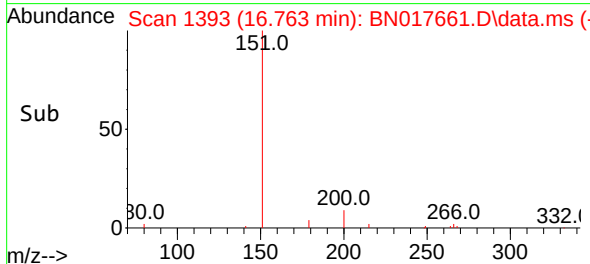
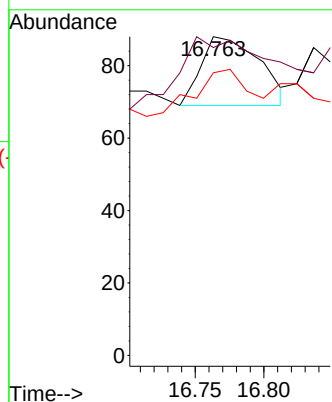
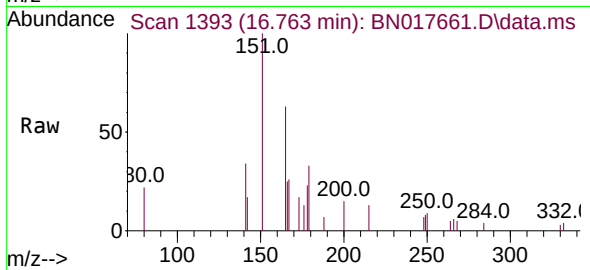
Tgt Ion:266 Resp: 56

Ion Ratio Lower Upper

266 100

264 0.0 49.8 74.8#

268 64.3 51.3 76.9



#25

Phenanthrene

Concen: 1.207 ng

RT: 17.140 min Scan# 1424

Delta R.T. -0.024 min

Lab File: BN017661.D

Acq: 01 Dec 2021 21:27

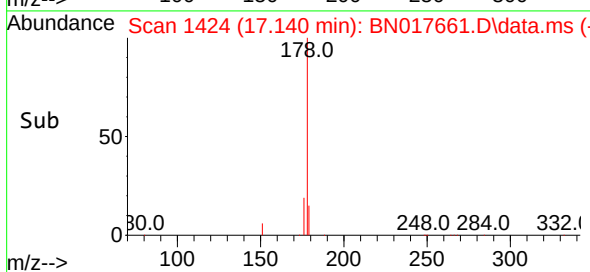
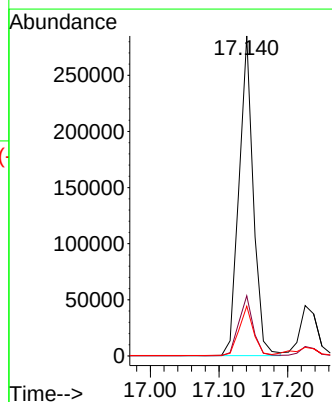
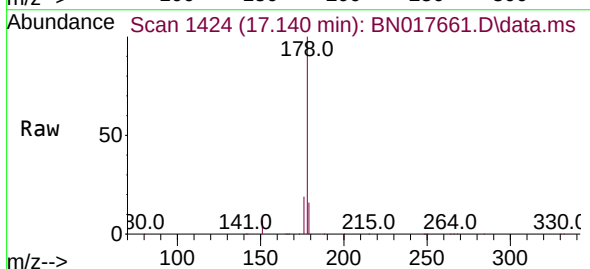
Tgt Ion:178 Resp: 414481

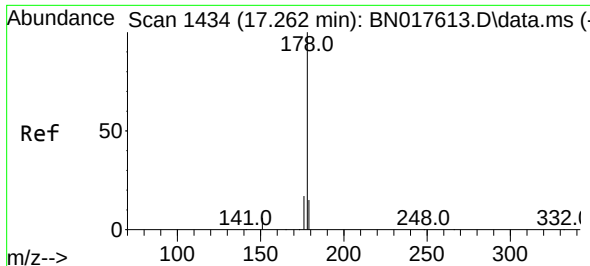
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 15.5 12.3 18.5

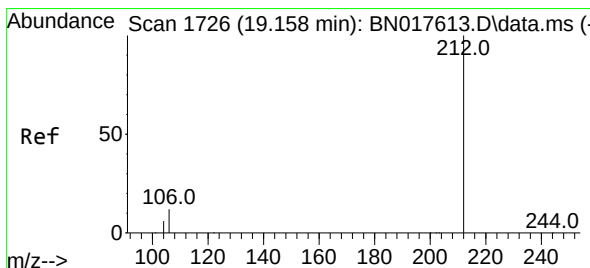
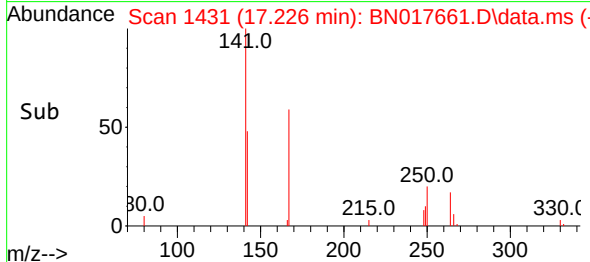
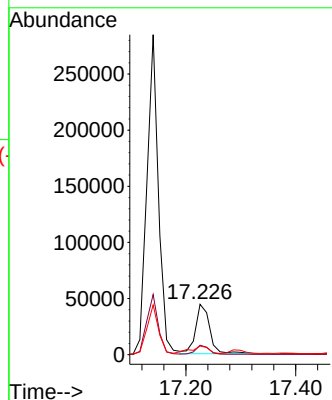
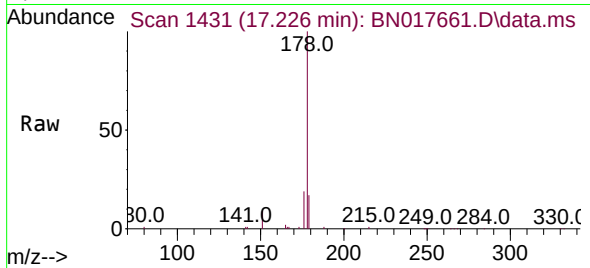




#26
 Anthracene
 Concen: 0.268 ng
 RT: 17.226 min Scan# 1434
 Delta R.T. -0.024 min
 Lab File: BN017661.D
 Acq: 01 Dec 2021 21:27

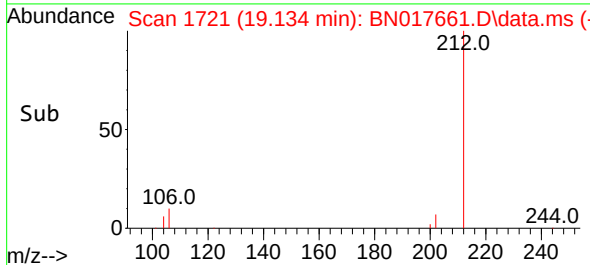
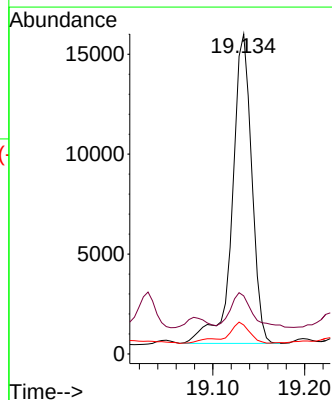
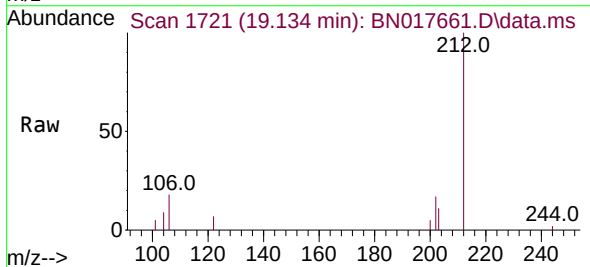
Instrument :
 BNA_N
 ClientSampleId :
 CS-4BDL

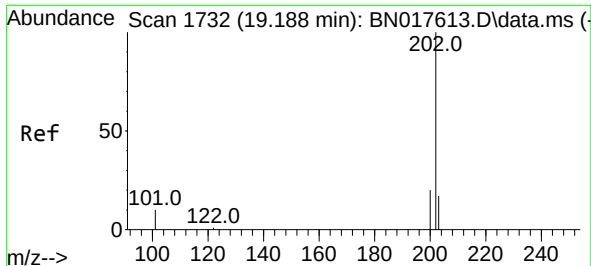
Tgt Ion:178 Resp: 79095
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.6 22.0
 179 18.9 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.058 ng
 RT: 19.134 min Scan# 1721
 Delta R.T. -0.020 min
 Lab File: BN017661.D
 Acq: 01 Dec 2021 21:27

Tgt Ion:212 Resp: 22838
 Ion Ratio Lower Upper
 212 100
 106 12.1 10.5 15.7
 104 6.3 5.8 8.6

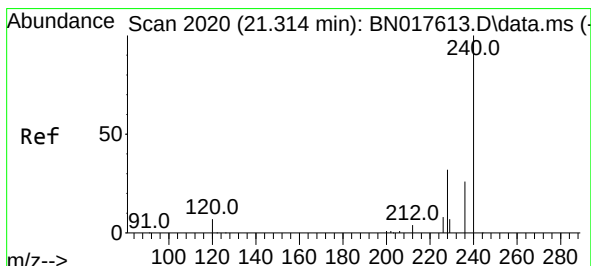
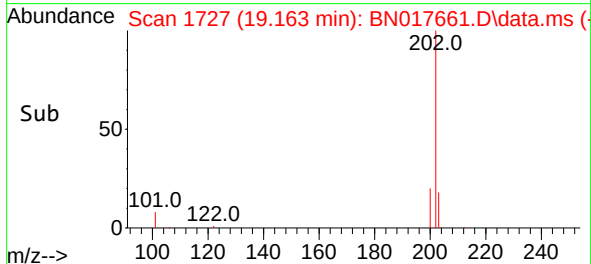
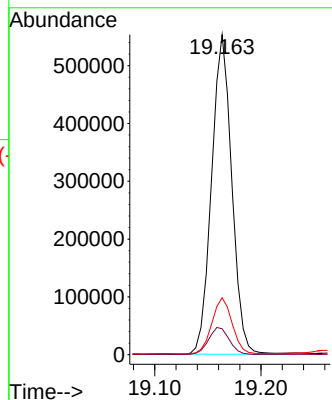
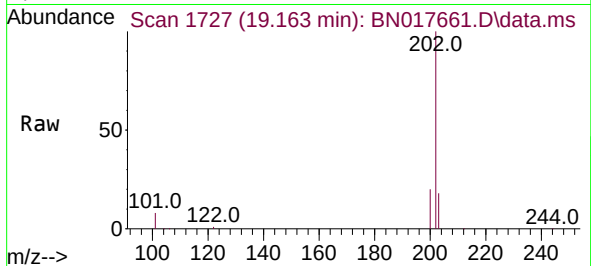




#28
Fluoranthene
Concen: 1.876 ng
RT: 19.163 min Scan# 11
Delta R.T. -0.020 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

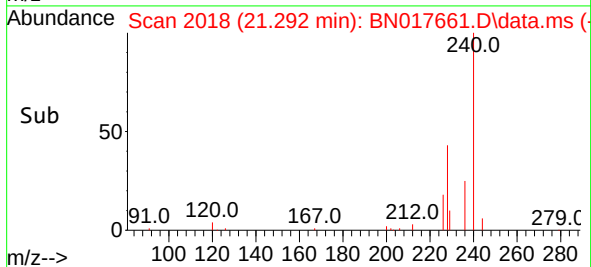
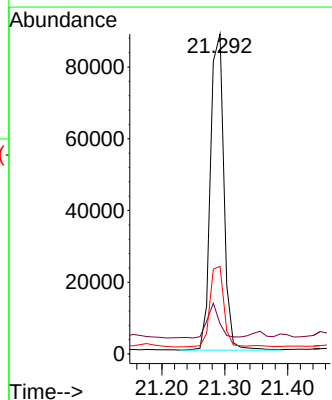
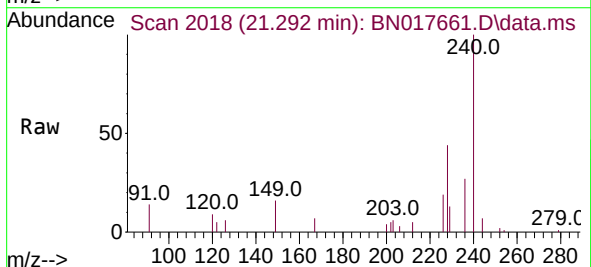
Instrument :
BNA_N
ClientSampleId :
CS-4BDL

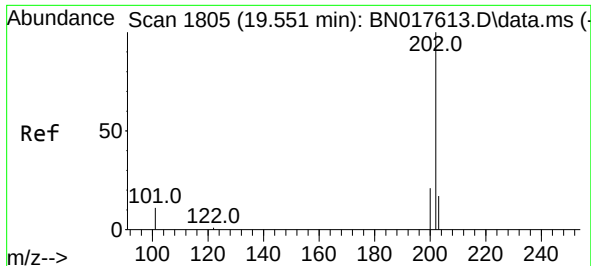
Tgt Ion:202 Resp: 729163
Ion Ratio Lower Upper
202 100
101 8.6 8.9 13.3#
203 17.4 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.292 min Scan# 2018
Delta R.T. -0.011 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

Tgt Ion:240 Resp: 130545
Ion Ratio Lower Upper
240 100
120 9.4 4.2 6.2#
236 27.3 20.0 30.0

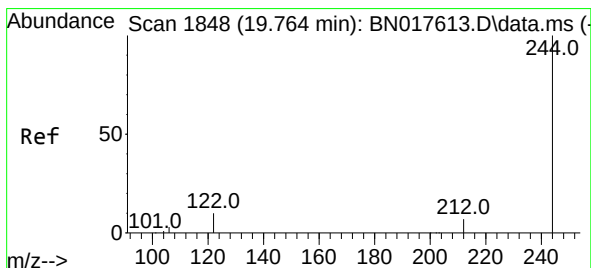
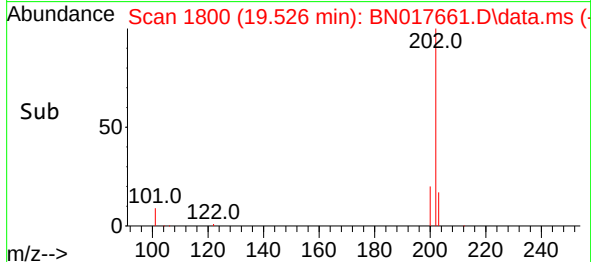
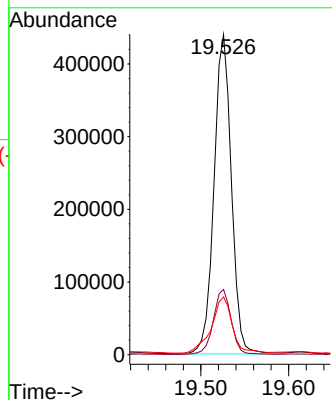
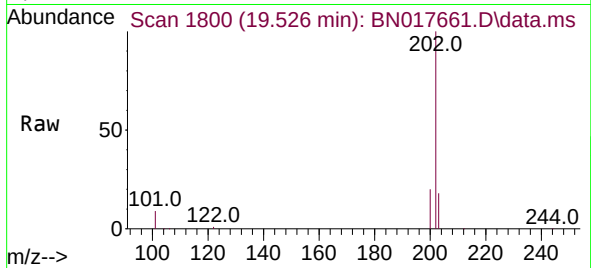




#30
Pyrene
Concen: 1.431 ng
RT: 19.526 min Scan# 1800
Delta R.T. -0.020 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

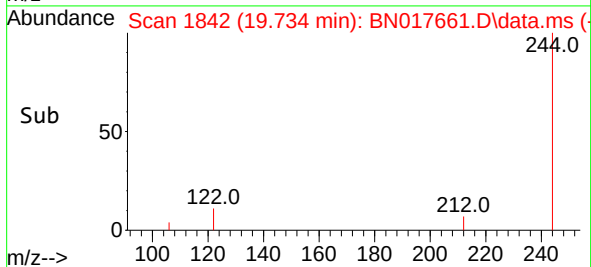
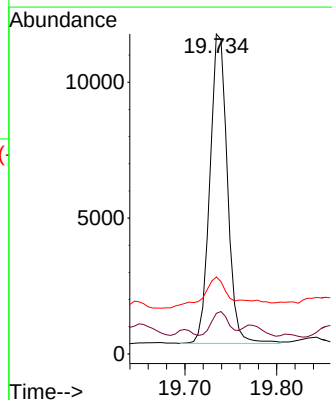
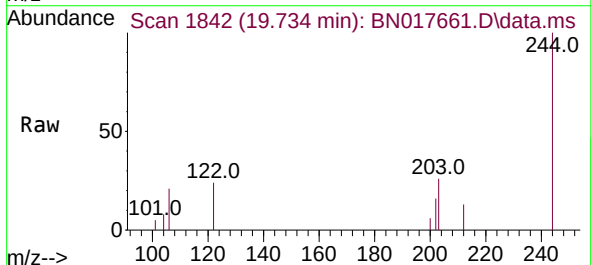
Instrument :
BNA_N
ClientSampleId :
CS-4BDL

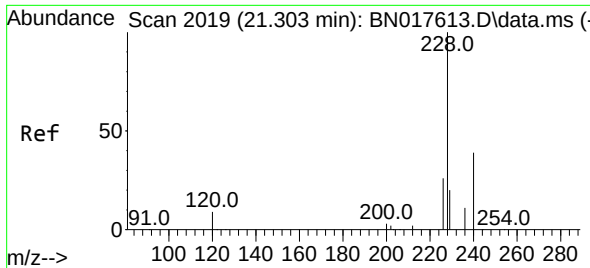
Tgt Ion:202 Resp: 603219
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 21.1 14.0 21.0#



#31
Terphenyl-d14
Concen: 0.053 ng
RT: 19.734 min Scan# 1842
Delta R.T. -0.020 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

Tgt Ion:244 Resp: 15130
Ion Ratio Lower Upper
244 100
212 12.7 5.7 8.5#
122 24.1 8.6 13.0#

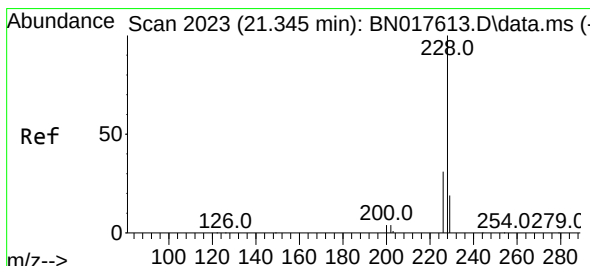
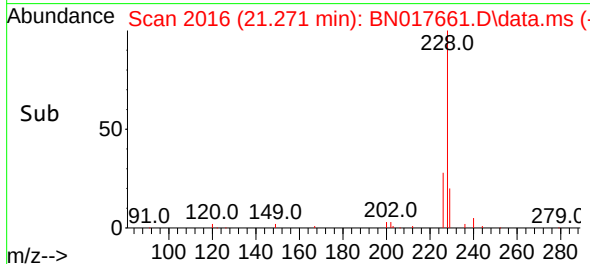
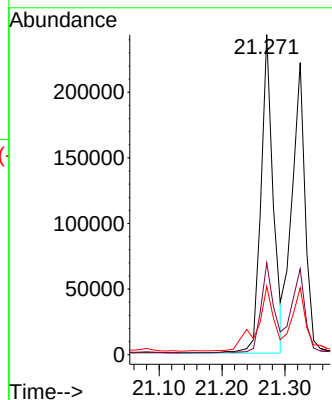
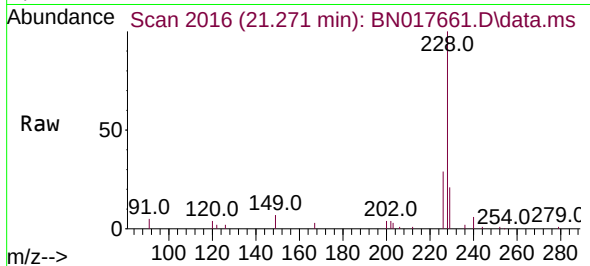




#32
Benzo(a)anthracene
Concen: 0.826 ng
RT: 21.271 min Scan# 20
Delta R.T. -0.021 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

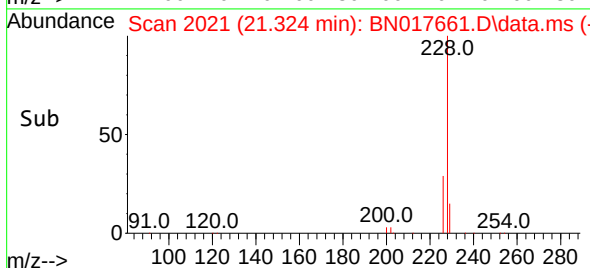
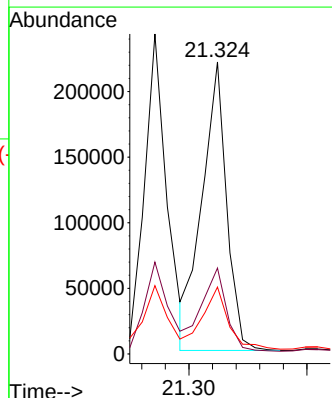
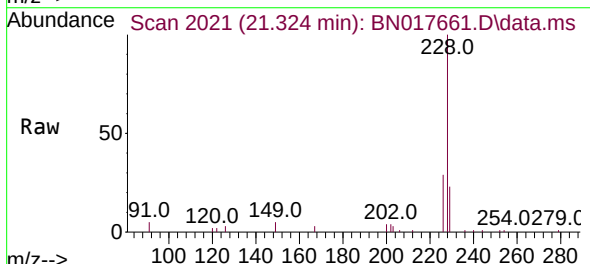
Instrument :
BNA_N
ClientSampleId :
CS-4BDL

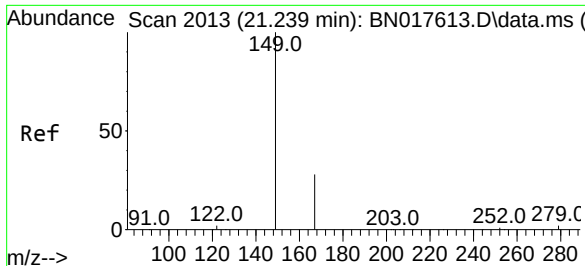
Tgt Ion:228 Resp: 327596
Ion Ratio Lower Upper
228 100
226 28.7 21.3 31.9
229 21.3 15.7 23.5



#33
Chrysene
Concen: 0.738 ng
RT: 21.324 min Scan# 2021
Delta R.T. -0.011 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

Tgt Ion:228 Resp: 318382
Ion Ratio Lower Upper
228 100
226 29.4 23.3 34.9
229 22.9 15.6 23.4

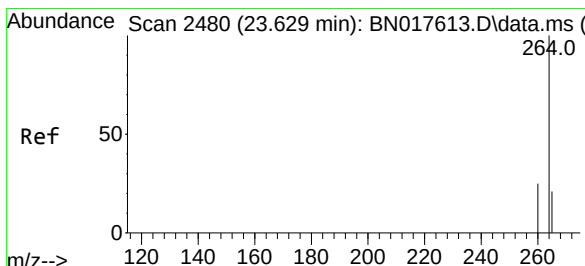
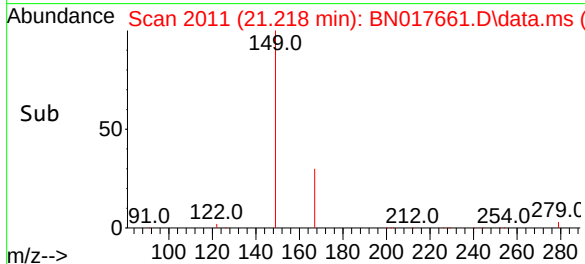
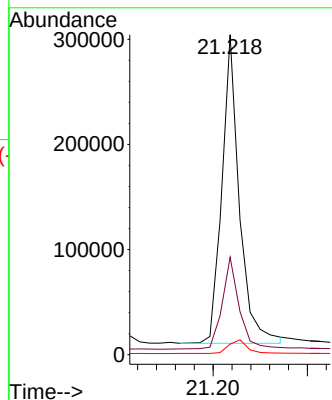
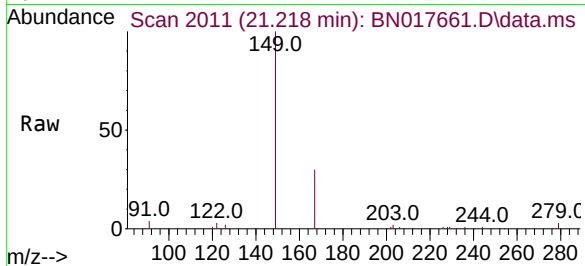




#34
Bis(2-ethylhexyl)phthalate
Concen: 4.006 ng
RT: 21.218 min Scan# 2011
Delta R.T. -0.011 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

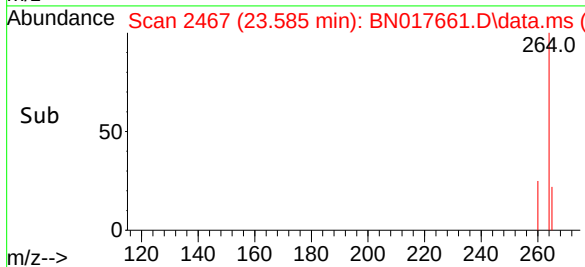
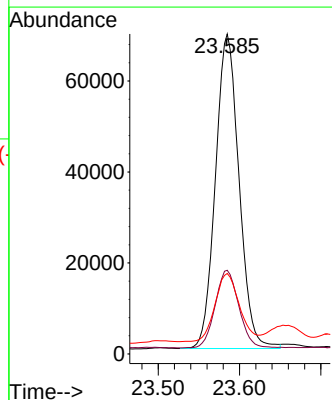
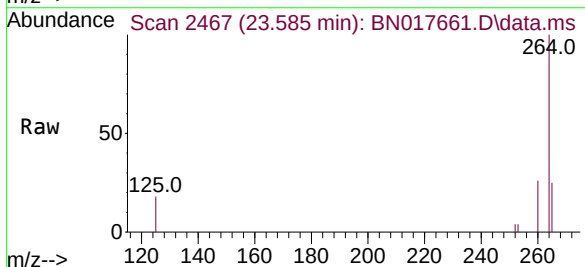
Instrument :
BNA_N
ClientSampleId :
CS-4BDL

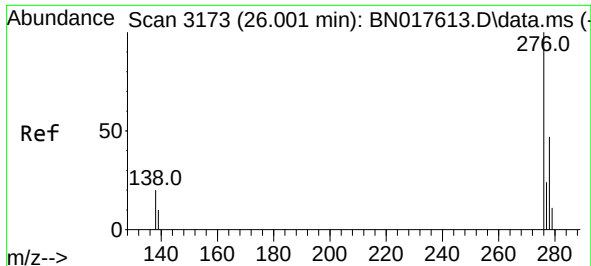
Tgt Ion:149 Resp: 376776
Ion Ratio Lower Upper
149 100
167 29.3 21.8 32.6
279 4.8 3.4 5.0



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.585 min Scan# 2467
Delta R.T. -0.024 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

Tgt Ion:264 Resp: 139124
Ion Ratio Lower Upper
264 100
260 26.1 19.4 29.2
265 25.2 18.6 28.0

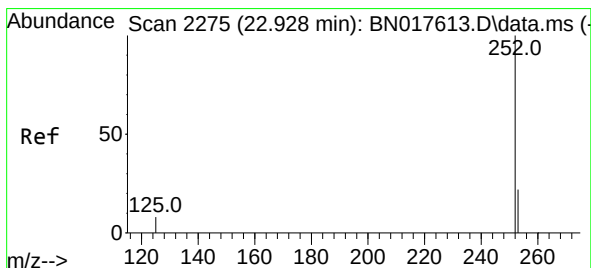
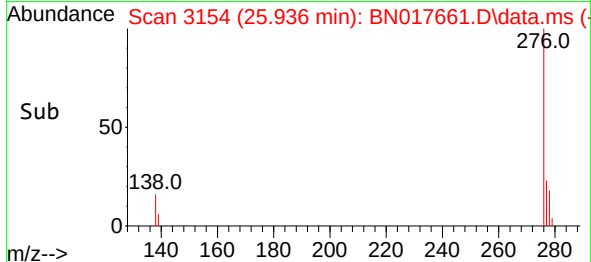
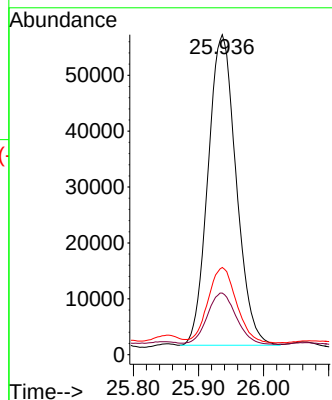
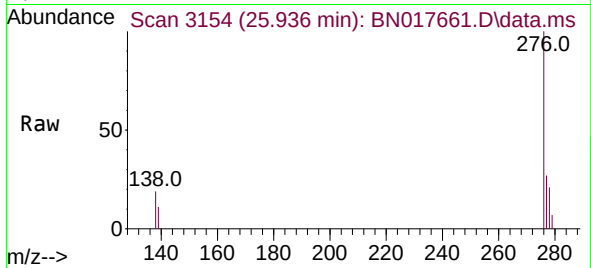




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.369 ng
RT: 25.936 min Scan# 3173
Delta R.T. -0.041 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

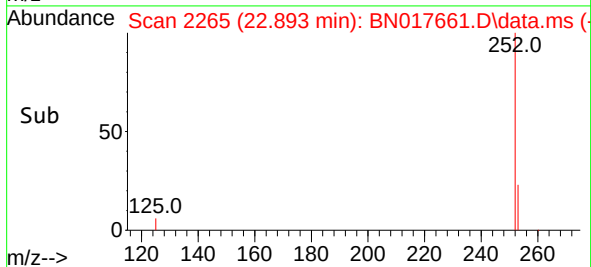
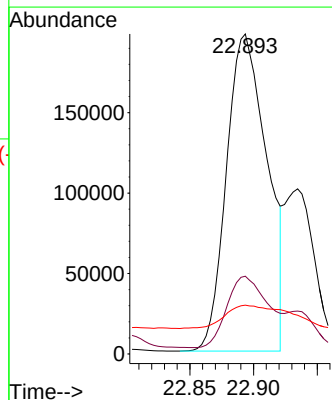
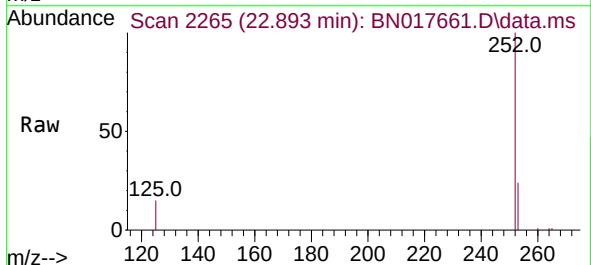
Instrument :
BNA_N
ClientSampleId :
CS-4BDL

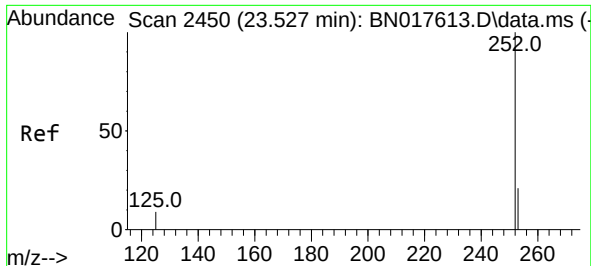
Tgt Ion:276 Resp: 166773
Ion Ratio Lower Upper
276 100
138 16.9 19.7 29.5#
277 24.6 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 0.947 ng
RT: 22.893 min Scan# 2265
Delta R.T. -0.021 min
Lab File: BN017661.D
Acq: 01 Dec 2021 21:27

Tgt Ion:252 Resp: 436818
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 15.3 7.8 11.8#





#39

Benzo(a)pyrene

Concen: 0.670 ng

RT: 23.482 min Scan# 24

Delta R.T. -0.024 min

Lab File: BN017661.D

Acq: 01 Dec 2021 21:27

Instrument :

BNA_N

ClientSampleId :

CS-4BDL

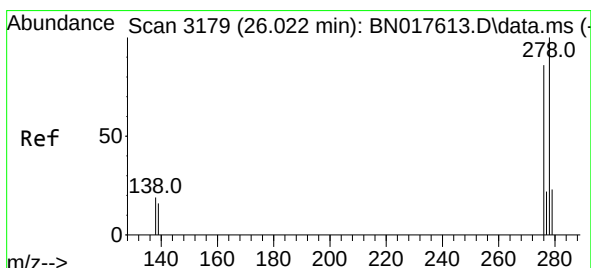
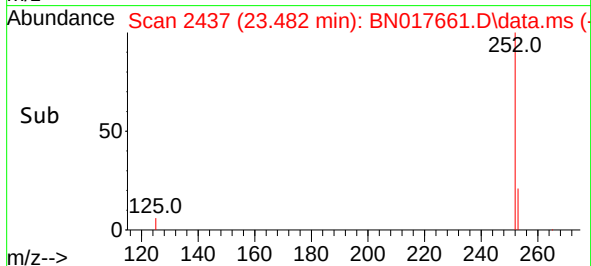
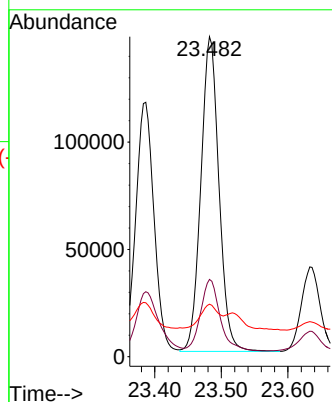
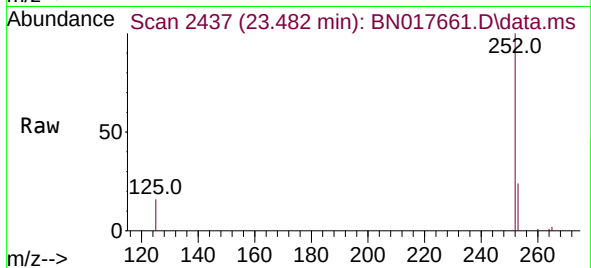
Tgt Ion:252 Resp: 276657

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

125 16.4 9.2 13.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.109 ng

RT: 25.950 min Scan# 3158

Delta R.T. -0.048 min

Lab File: BN017661.D

Acq: 01 Dec 2021 21:27

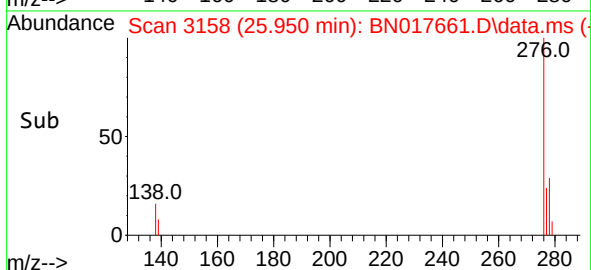
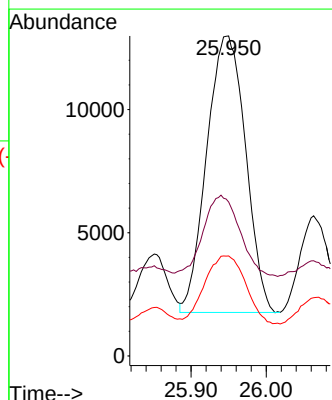
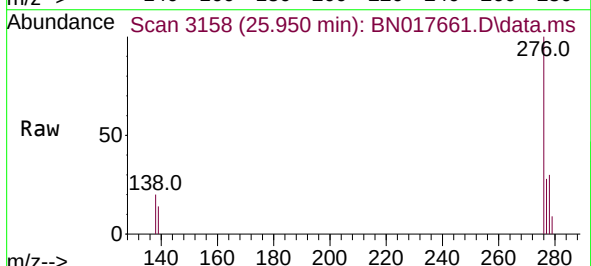
Tgt Ion:278 Resp: 40281

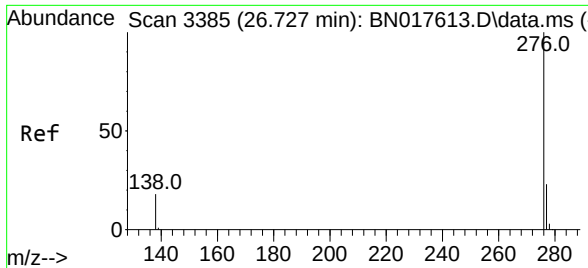
Ion Ratio Lower Upper

278 100

139 48.1 13.0 19.6#

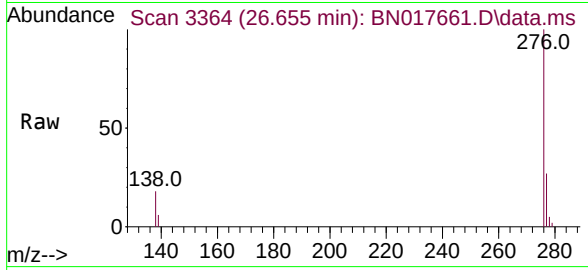
279 31.2 19.2 28.8#





#41
 Benzo(g,h,i)perylene
 Concen: 0.415 ng
 RT: 26.655 min Scan# 31
 Delta R.T. -0.041 min
 Lab File: BN017661.D
 Acq: 01 Dec 2021 21:27

Instrument :
 BNA_N
 ClientSampleId :
 CS-4BDL



Tgt Ion:276 Resp: 157709
 Ion Ratio Lower Upper
 276 100
 277 27.1 19.0 28.4
 138 18.4 17.1 25.7

