

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017660.D
 Acq On : 01 Dec 2021 20:51
 Operator : CG/JU
 Sample : M4862-08DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-4ADL

Quant Time: Dec 01 21:25:27 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)

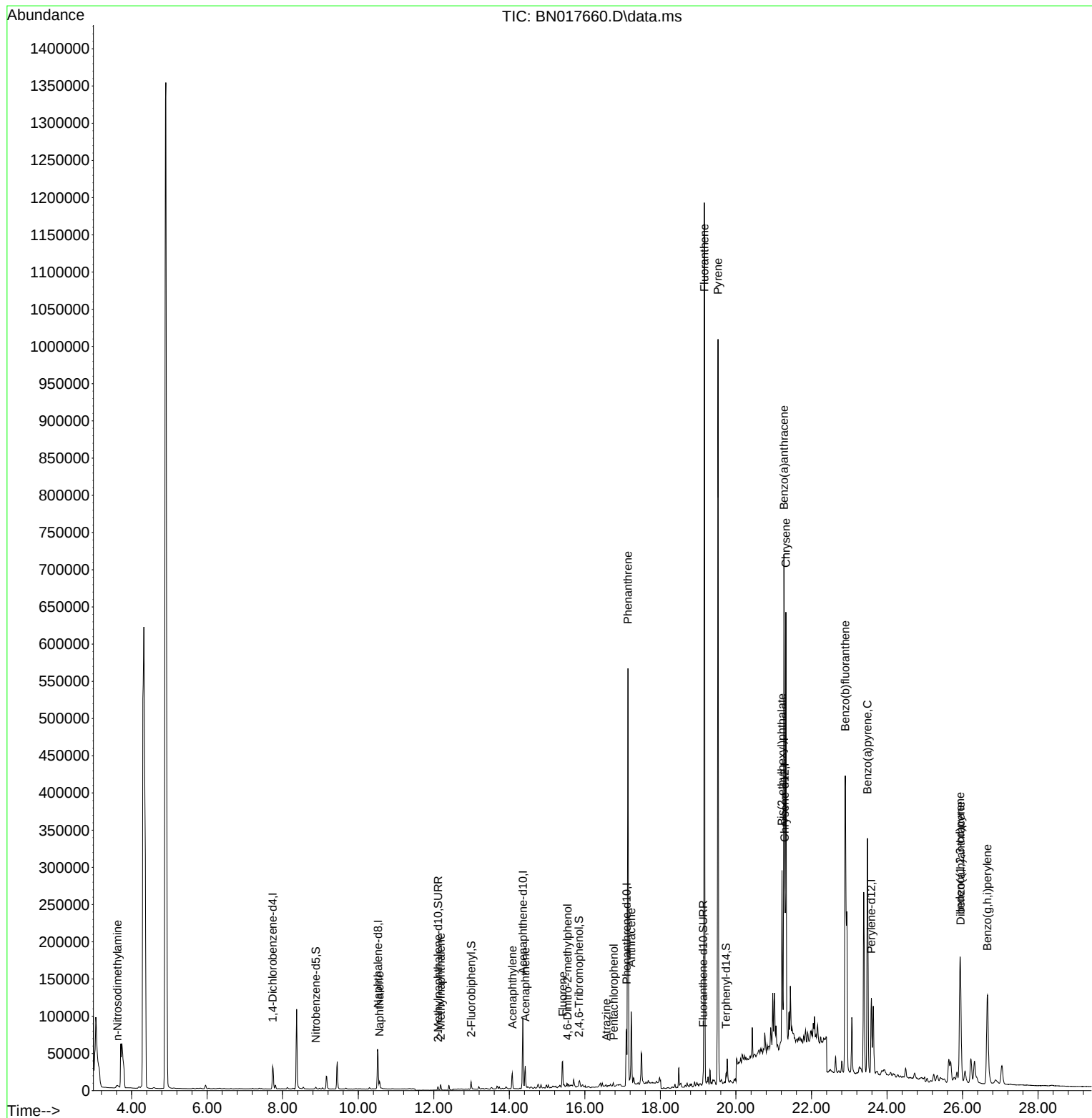
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.736	152	19446	0.400	ng	-0.04
7) Naphthalene-d8	10.522	136	83171	0.400	ng	#-0.03
13) Acenaphthene-d10	14.359	164	54950	0.400	ng	-0.03
19) Phenanthrene-d10	17.104	188	119226	0.400	ng	#-0.01
29) Chrysene-d12	21.293	240	122600	0.400	ng	#-0.01
35) Perylene-d12	23.585	264	137236	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.357	112	20	0.000	ng	-0.02
5) Phenol-d6	6.915	99	44	0.001	ng	-0.03
8) Nitrobenzene-d5	8.875	82	2105	0.060	ng	-0.04
11) 2-Methylnaphthalene-d10	12.111	152	7264	0.050	ng	-0.03
14) 2,4,6-Tribromophenol	15.843	330	20	0.126	ng	-0.03
15) 2-Fluorobiphenyl	12.989	172	9427	0.044	ng	-0.03
27) Fluoranthene-d10	19.134	212	20697	0.056	ng	-0.02
31) Terphenyl-d14	19.739	244	14000	0.052	ng	-0.01
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.624	42	2572	0.141	ng	# 1
9) Naphthalene	10.560	128	12500	0.060	ng	97
12) 2-Methylnaphthalene	12.182	142	5896	0.043	ng	# 96
16) Acenaphthylene	14.080	152	24985	0.117	ng	99
17) Acenaphthene	14.422	154	15488	0.105	ng	99
18) Fluorene	15.412	166	28788	0.160	ng	# 95
20) 4,6-Dinitro-2-methylph...	15.539	198	26	0.061	ng	# 1
23) Atrazine	16.569	200	234	0.135	ng	# 22
24) Pentachlorophenol	16.763	266	91	0.195	ng	# 89
25) Phenanthrene	17.141	178	585809	1.792	ng	100
26) Anthracene	17.226	178	110206	0.392	ng	# 93
28) Fluoranthene	19.164	202	1071929	2.897	ng	# 97
30) Pyrene	19.526	202	904197	2.285	ng	# 95
32) Benzo(a)anthracene	21.271	228	540253	1.451	ng	97
33) Chrysene	21.324	228	508502	1.255	ng	97
34) Bis(2-ethylhexyl)phtha...	21.218	149	223052	2.525	ng	97
36) Indeno(1,2,3-cd)pyrene	25.937	276	293448	0.659	ng	# 91
37) Benzo(b)fluoranthene	22.894	252	712946	1.567	ng	96
39) Benzo(a)pyrene	23.482	252	461941	1.134	ng	98
40) Dibenzo(a,h)anthracene	25.947	278	71930	0.198	ng	# 84
41) Benzo(g,h,i)perylene	26.659	276	276683	0.739	ng	94

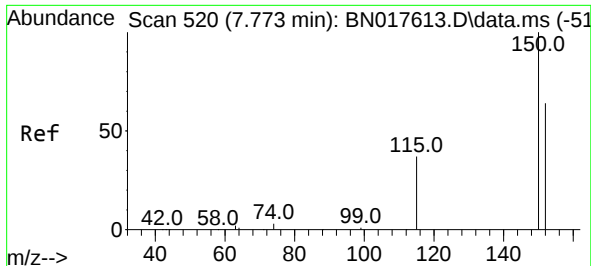
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
Data File : BN017660.D
Acq On : 01 Dec 2021 20:51
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Sample : M4862-08DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CS-4ADL

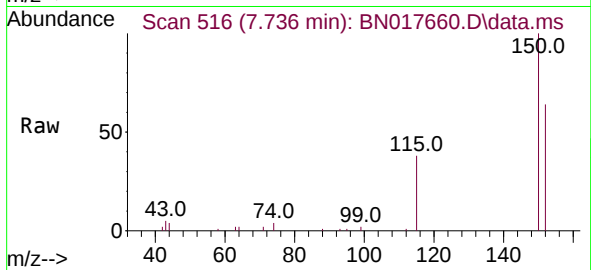
Quant Time: Dec 01 21:25:27 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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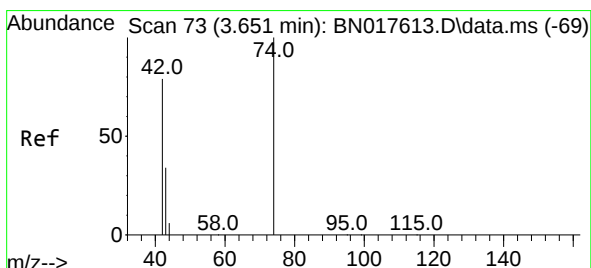
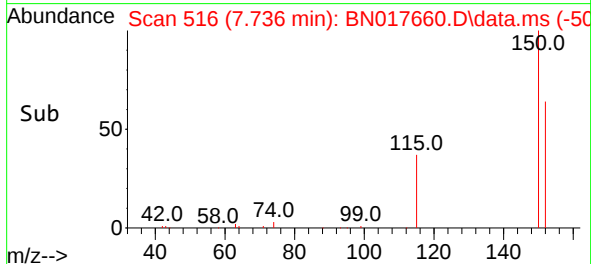
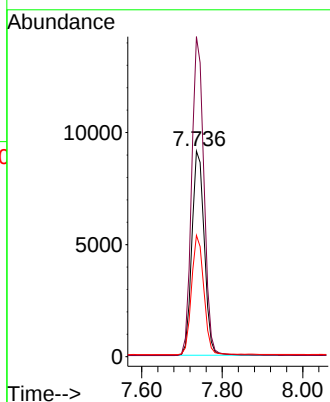


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 51
Delta R.T. -0.037 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Instrument :
BNA_N
ClientSampleId :
CS-4ADL

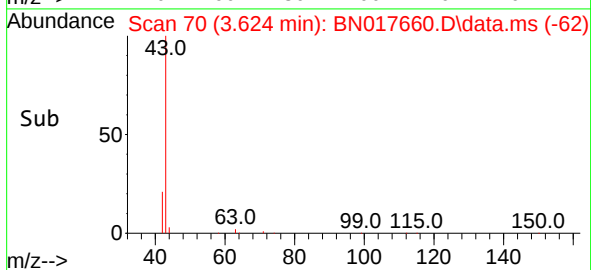
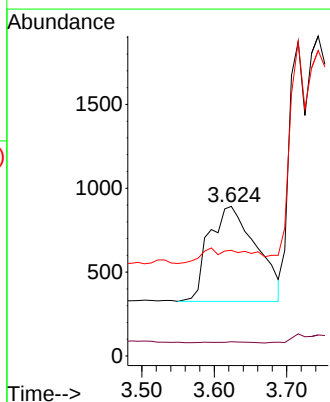
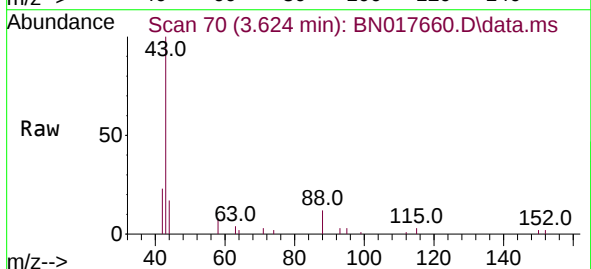


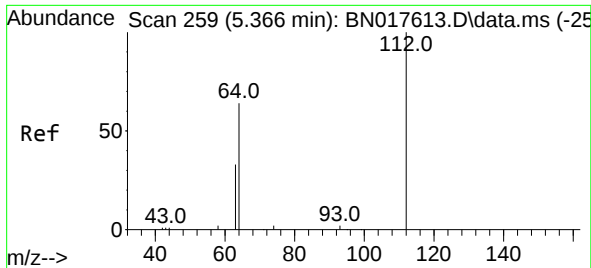
Tgt Ion:152 Resp: 19446
Ion Ratio Lower Upper
152 100
150 155.7 123.0 184.4
115 59.0 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.141 ng
RT: 3.624 min Scan# 70
Delta R.T. -0.027 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Tgt Ion: 42 Resp: 2572
Ion Ratio Lower Upper
42 100
74 0.5 97.8 146.6#
44 0.0 5.5 8.3#

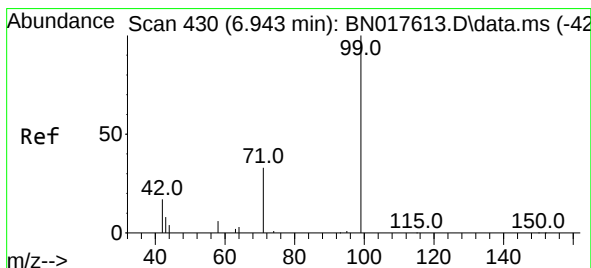
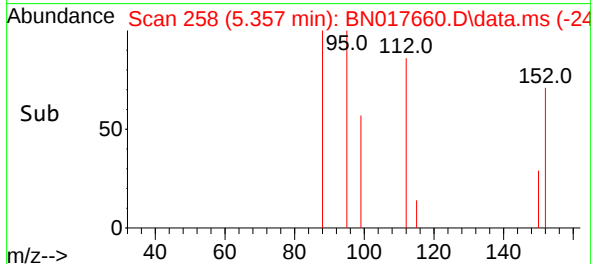
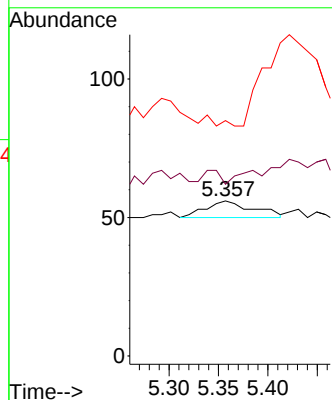
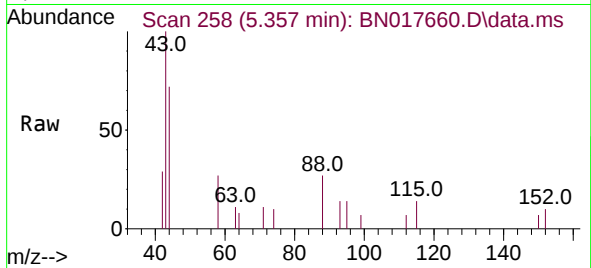




#4
2-Fluorophenol
Concen: 0.000 ng
RT: 5.357 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

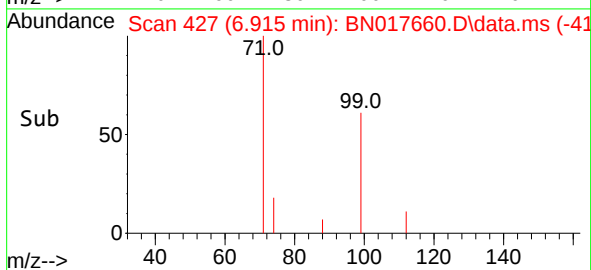
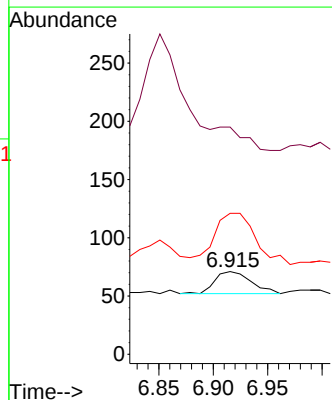
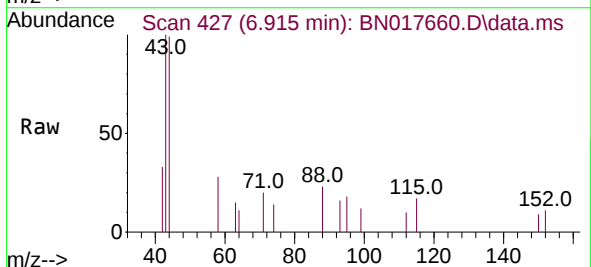
Instrument :
BNA_N
ClientSampleId :
CS-4ADL

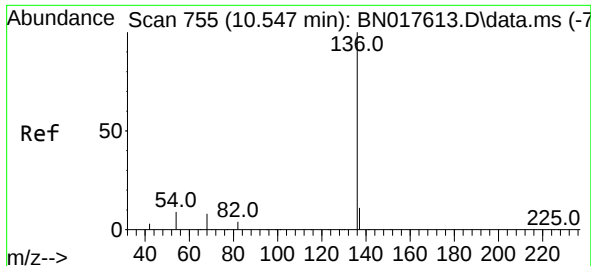
Tgt Ion:112 Resp: 20
Ion Ratio Lower Upper
112 100
64 30.0 47.6 71.4#
63 0.0 24.6 37.0#



#5
Phenol-d6
Concen: 0.001 ng
RT: 6.915 min Scan# 427
Delta R.T. -0.027 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Tgt Ion: 99 Resp: 44
Ion Ratio Lower Upper
99 100
42 0.0 17.0 25.6#
71 263.6 24.8 37.2#

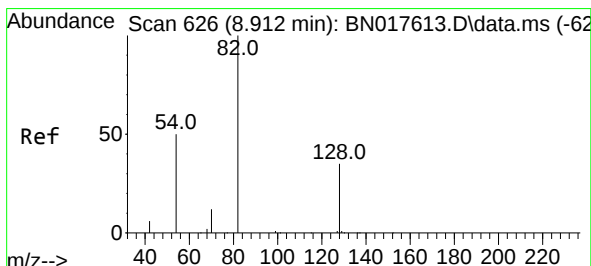
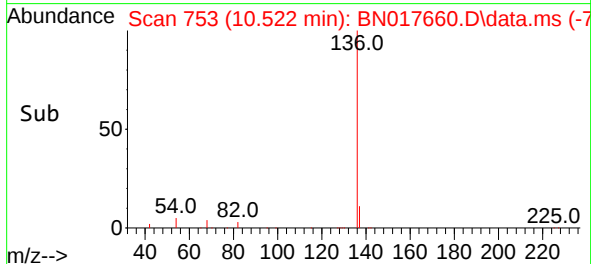
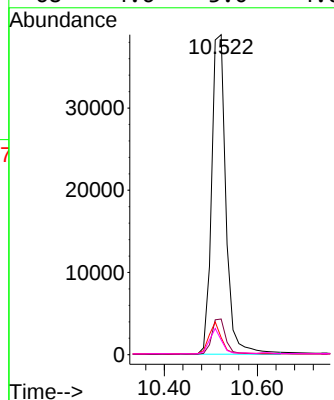
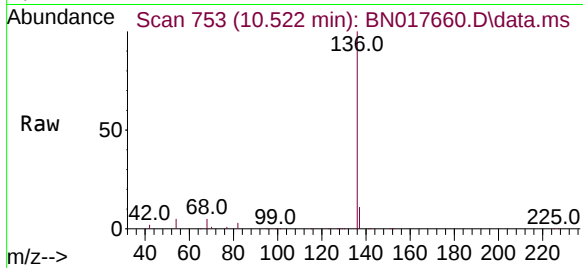




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.522 min Scan# 71
Delta R.T. -0.025 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

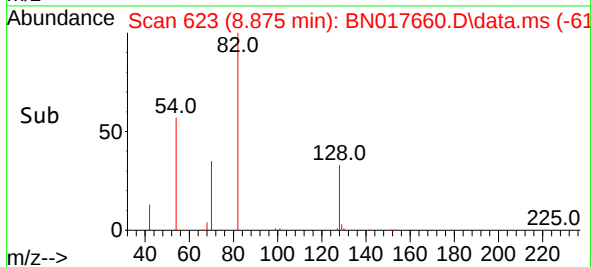
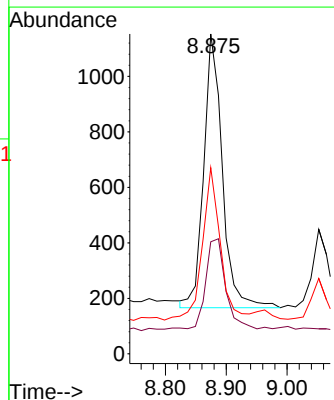
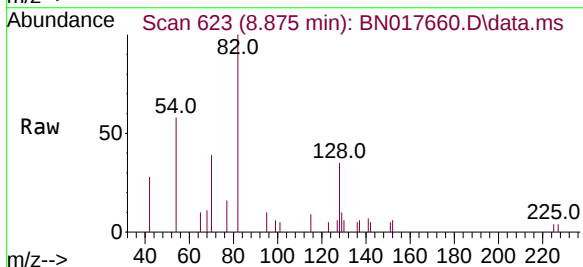
Instrument :
BNA_N
ClientSampleId :
CS-4ADL

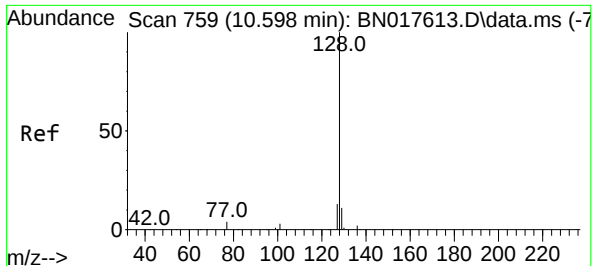
Tgt Ion:136 Resp: 83171
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 5.4 4.0 6.0
68 4.6 3.0 4.6#



#8
Nitrobenzene-d5
Concen: 0.060 ng
RT: 8.875 min Scan# 623
Delta R.T. -0.038 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Tgt Ion: 82 Resp: 2105
Ion Ratio Lower Upper
82 100
128 35.0 27.7 41.5
54 58.2 49.2 73.8

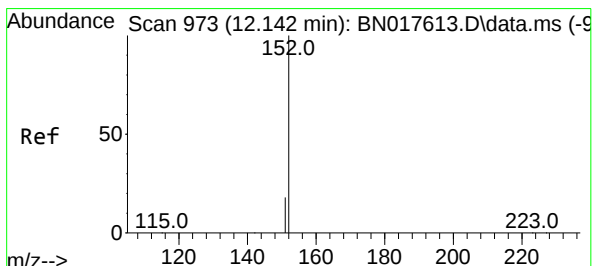
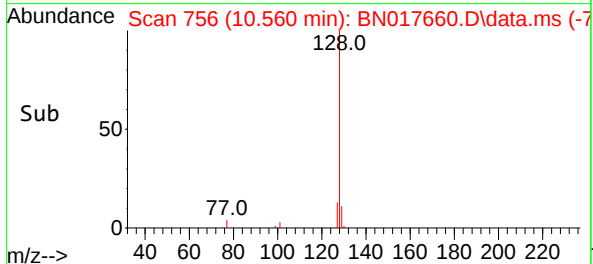
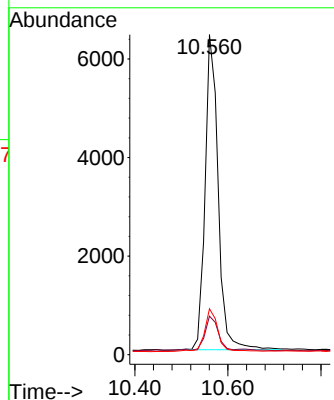
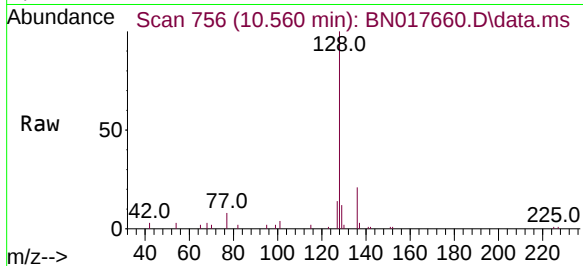




#9
Naphthalene
Concen: 0.060 ng
RT: 10.560 min Scan# 71
Delta R.T. -0.038 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

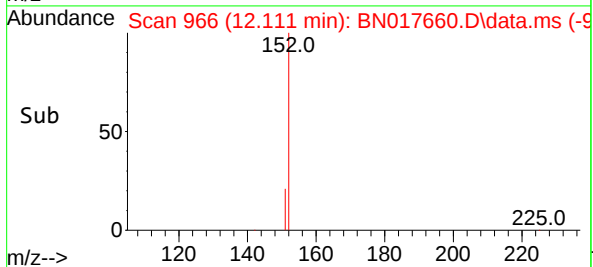
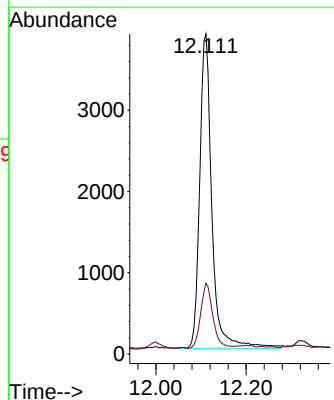
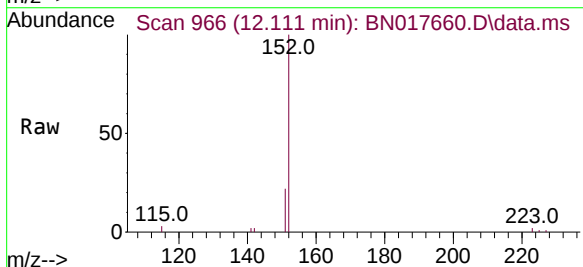
Instrument :
BNA_N
ClientSampleId :
CS-4ADL

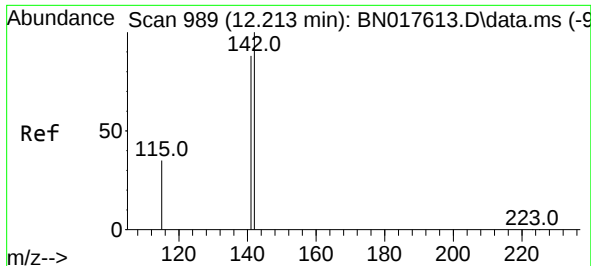
Tgt Ion:128 Resp: 12500
Ion Ratio Lower Upper
128 100
129 12.0 8.8 13.2
127 14.4 10.6 15.8



#11
2-Methylnaphthalene-d10
Concen: 0.050 ng
RT: 12.111 min Scan# 966
Delta R.T. -0.026 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Tgt Ion:152 Resp: 7264
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.043 ng

RT: 12.182 min Scan# 91

Delta R.T. -0.031 min

Lab File: BN017660.D

Acq: 01 Dec 2021 20:51

Instrument :

BNA_N

ClientSampleId :

CS-4ADL

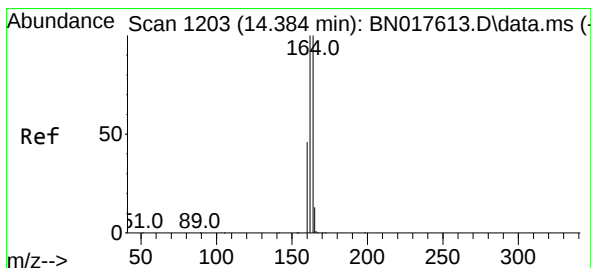
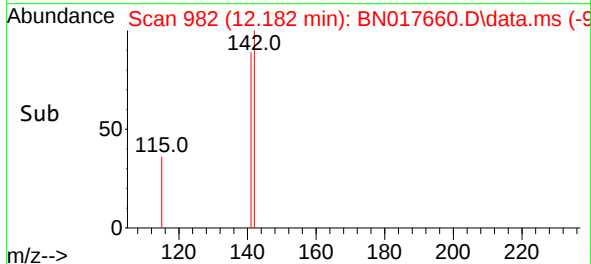
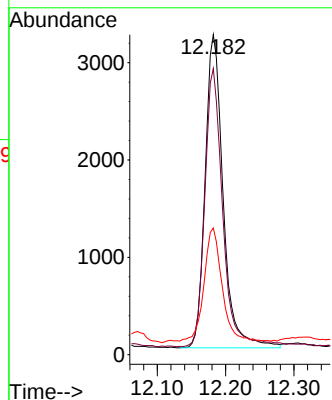
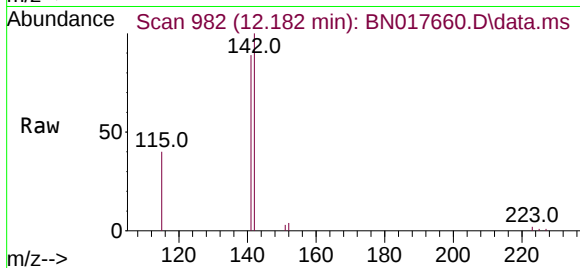
Tgt Ion:142 Resp: 5896

Ion Ratio Lower Upper

142 100

141 89.4 70.6 106.0

115 39.6 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: BN017660.D

Acq: 01 Dec 2021 20:51

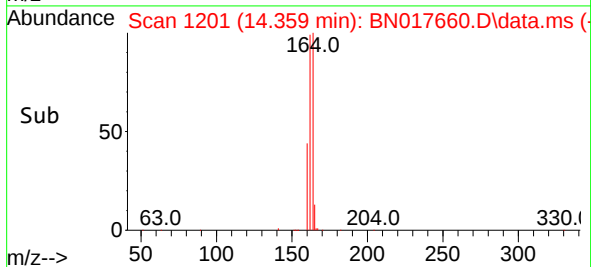
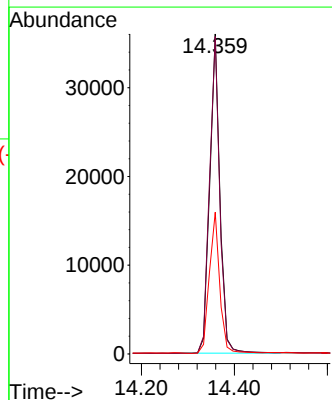
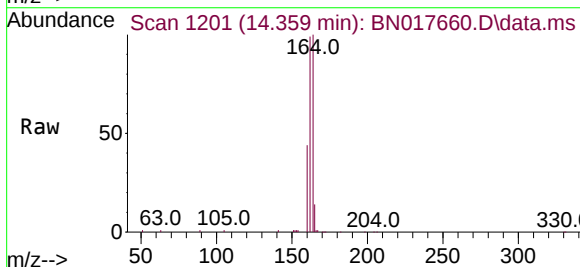
Tgt Ion:164 Resp: 54950

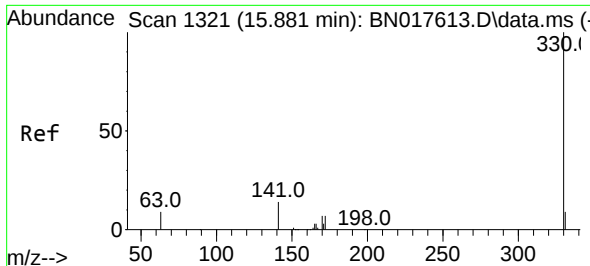
Ion Ratio Lower Upper

164 100

162 99.2 81.4 122.2

160 44.3 36.8 55.2

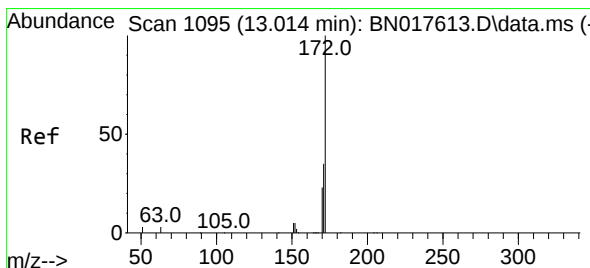
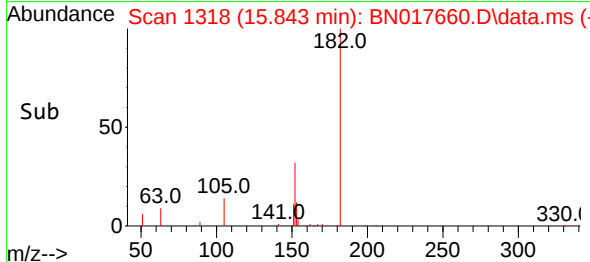
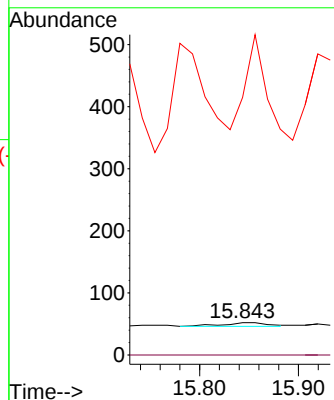
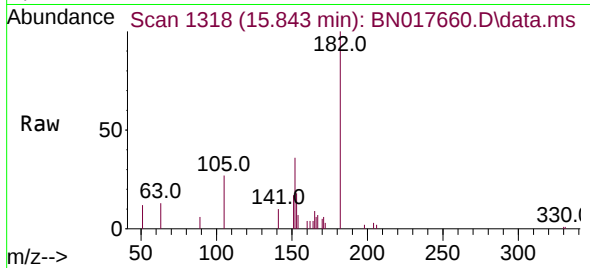




#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.843 min Scan# 11
Delta R.T. -0.025 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

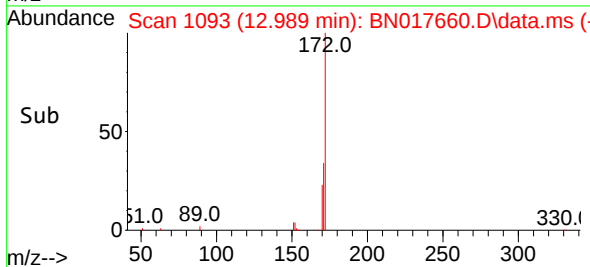
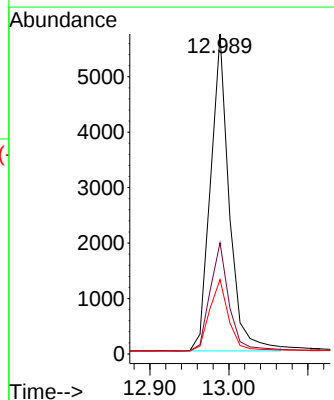
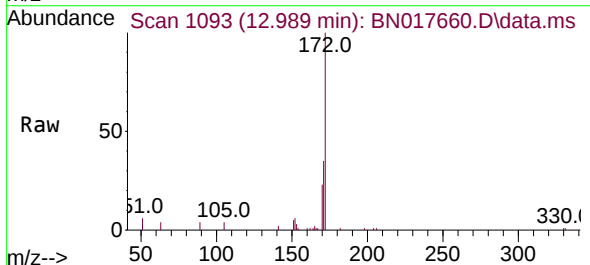
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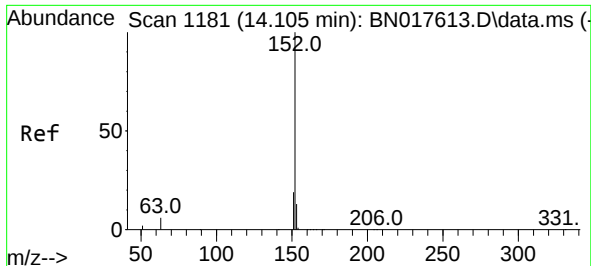
Tgt Ion:330 Resp: 20
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 1230.0 28.9 43.3#



#15
2-Fluorobiphenyl
Concen: 0.044 ng
RT: 12.989 min Scan# 1093
Delta R.T. -0.025 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Tgt Ion:172 Resp: 9427
Ion Ratio Lower Upper
172 100
171 34.8 28.7 43.1
170 23.2 19.4 29.2

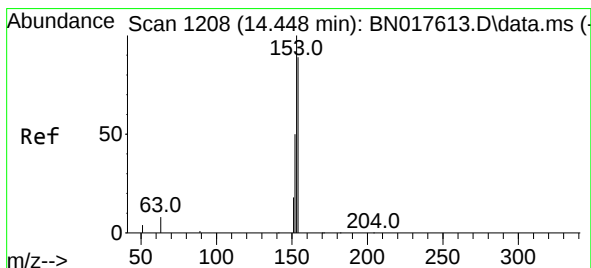
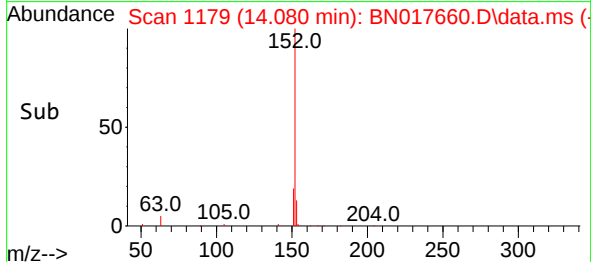
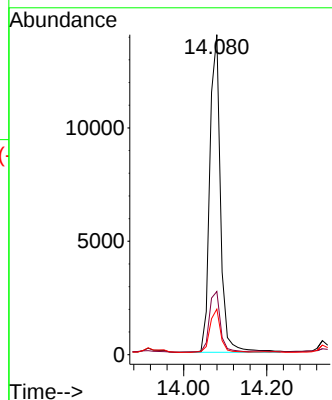
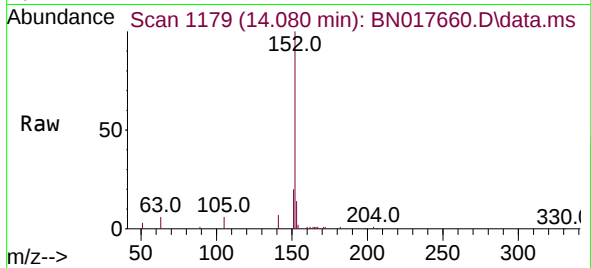




#16
Acenaphthylene
Concen: 0.117 ng
RT: 14.080 min Scan# 1179
Delta R.T. -0.025 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

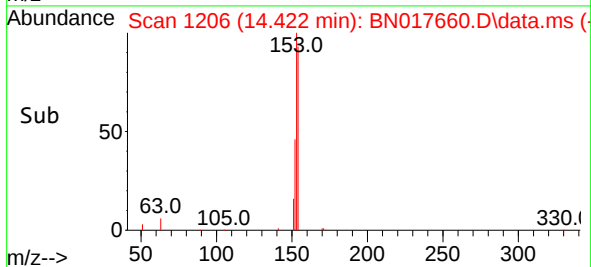
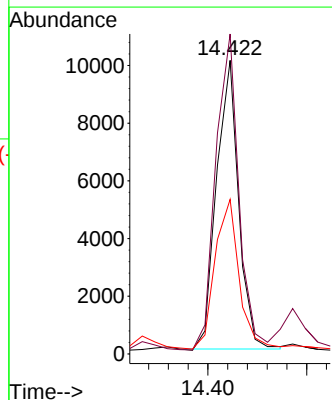
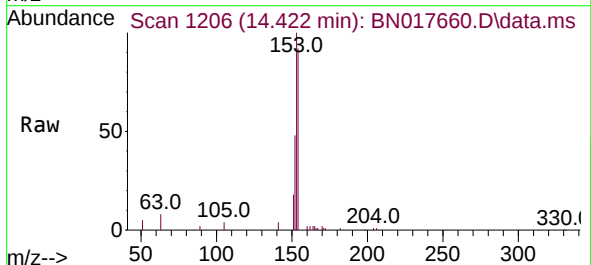
Instrument :
BNA_N
ClientSampleId :
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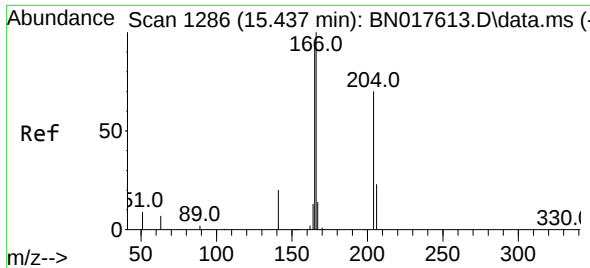
Tgt Ion:152 Resp: 24985
Ion Ratio Lower Upper
152 100
151 19.9 15.5 23.3
153 13.7 10.4 15.6



#17
Acenaphthene
Concen: 0.105 ng
RT: 14.422 min Scan# 1206
Delta R.T. -0.025 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Tgt Ion:154 Resp: 15488
Ion Ratio Lower Upper
154 100
153 114.1 91.2 136.8
152 58.3 44.3 66.5

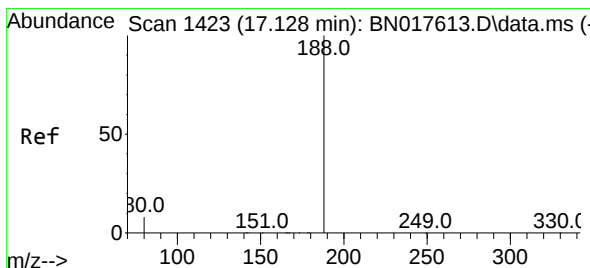
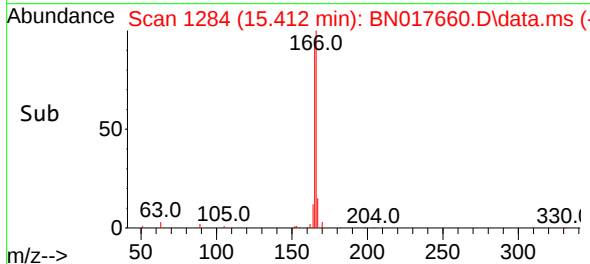
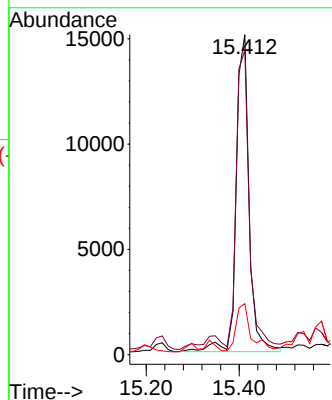
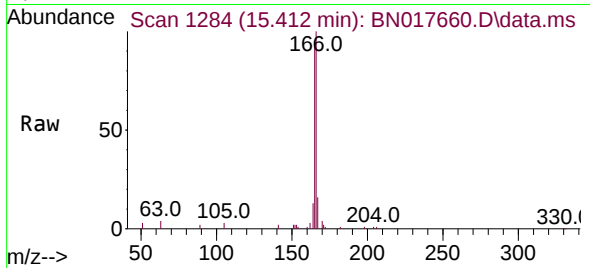




#18
Fluorene
Concen: 0.160 ng
RT: 15.412 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

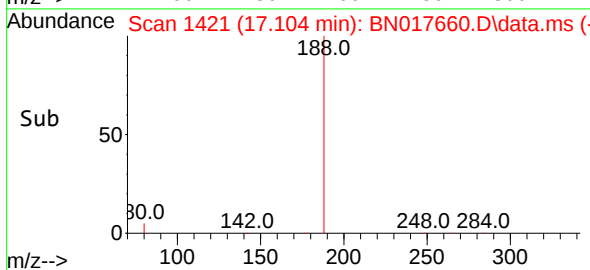
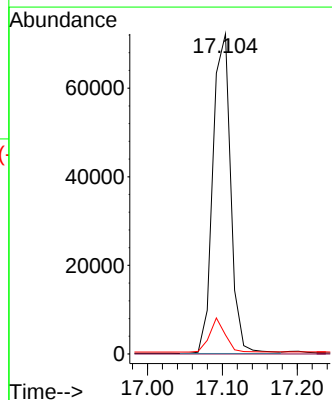
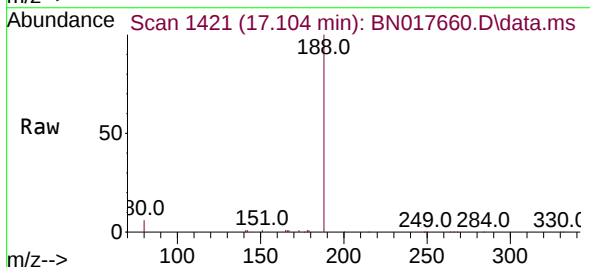
Instrument :
BNA_N
ClientSampleId :
CS-4ADL

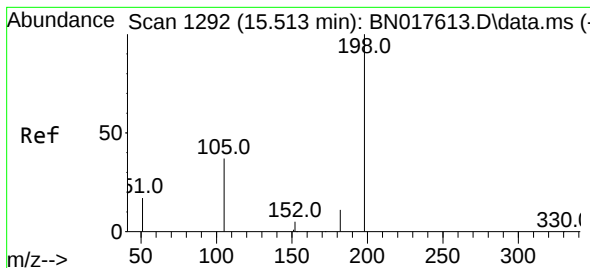
Tgt Ion:166 Resp: 28788
Ion Ratio Lower Upper
166 100
165 92.7 77.9 116.9
167 17.1 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.104 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Tgt Ion:188 Resp: 119226
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.9 6.1 9.1#

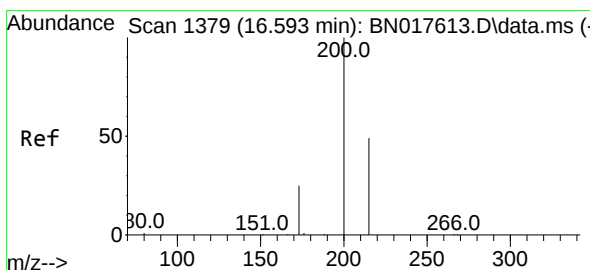
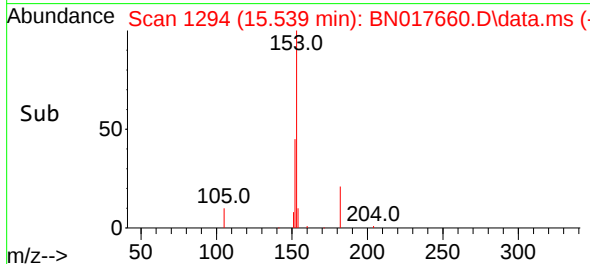
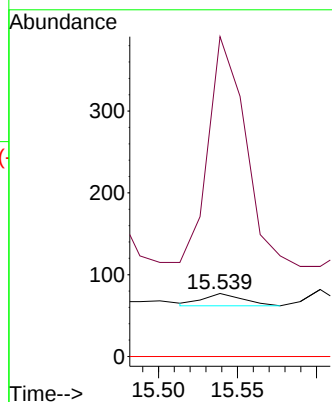
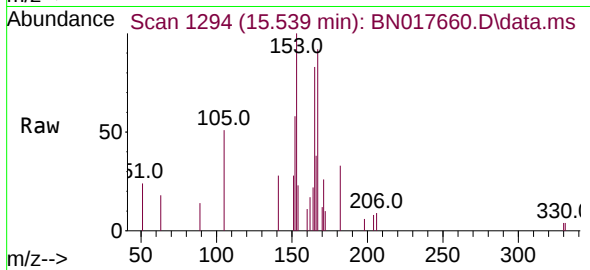




#20
4,6-Dinitro-2-methylphenol
Concen: 0.061 ng
RT: 15.539 min Scan# 11
Delta R.T. 0.026 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

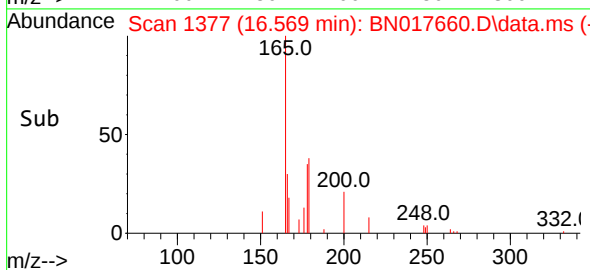
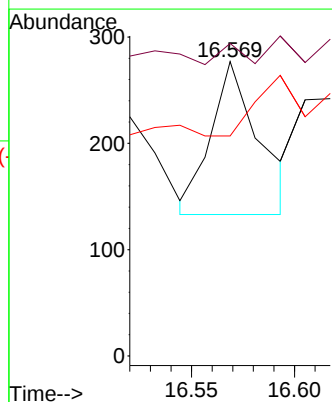
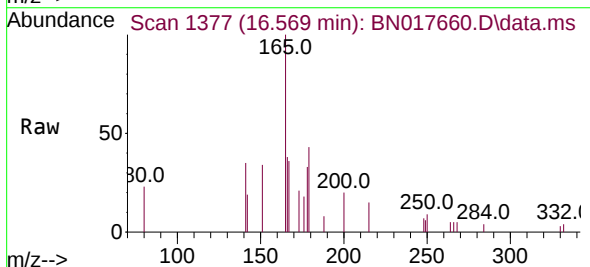
Instrument :
BNA_N
ClientSampleId :
CS-4ADL

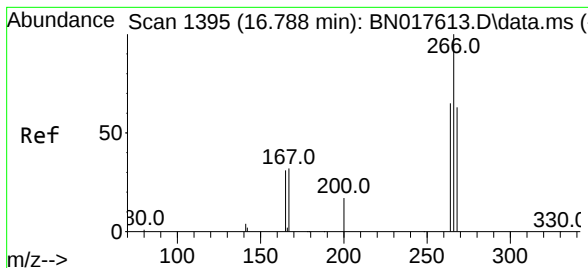
Tgt Ion:198 Resp: 26
Ion Ratio Lower Upper
198 100
182 507.8 11.4 17.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.135 ng
RT: 16.569 min Scan# 1377
Delta R.T. -0.024 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Tgt Ion:200 Resp: 234
Ion Ratio Lower Upper
200 100
173 106.1 17.6 26.4#
215 74.7 40.2 60.4#





#24

Pentachlorophenol

Concen: 0.195 ng

RT: 16.763 min Scan# 1393

Delta R.T. -0.012 min

Lab File: BN017660.D

Acq: 01 Dec 2021 20:51

Instrument :

BNA_N

ClientSampleId :

CS-4ADL

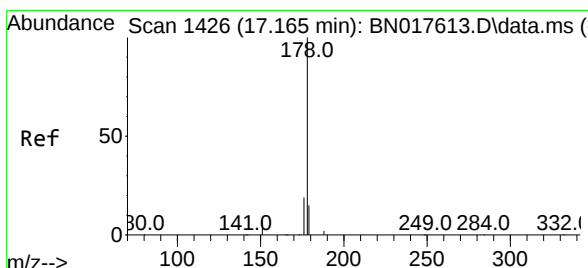
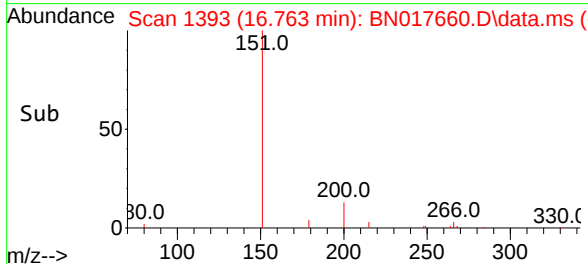
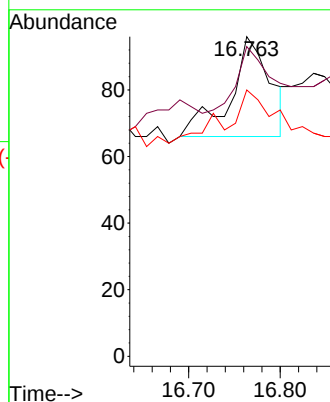
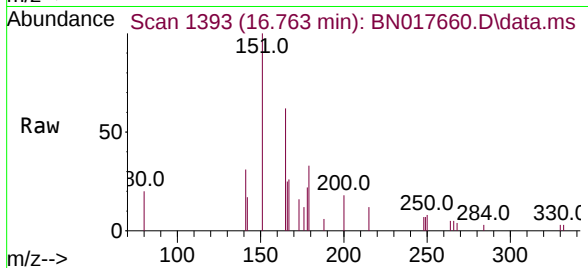
Tgt Ion:266 Resp: 91

Ion Ratio Lower Upper

266 100

264 60.4 49.8 74.8

268 48.4 51.3 76.9#



#25

Phenanthrene

Concen: 1.792 ng

RT: 17.141 min Scan# 1424

Delta R.T. -0.024 min

Lab File: BN017660.D

Acq: 01 Dec 2021 20:51

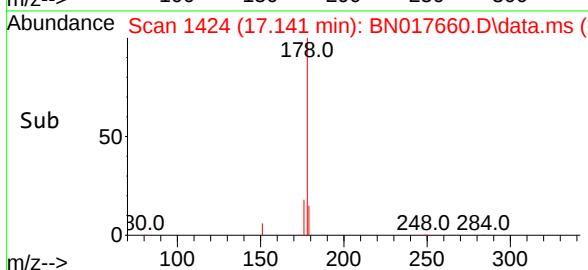
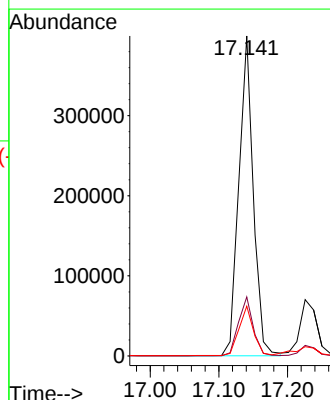
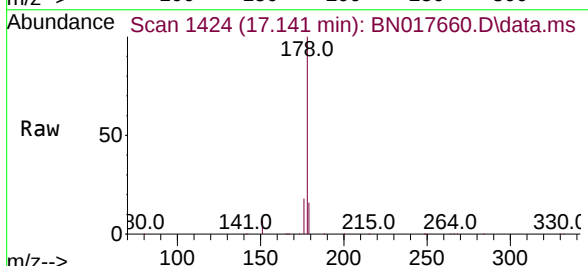
Tgt Ion:178 Resp: 585809

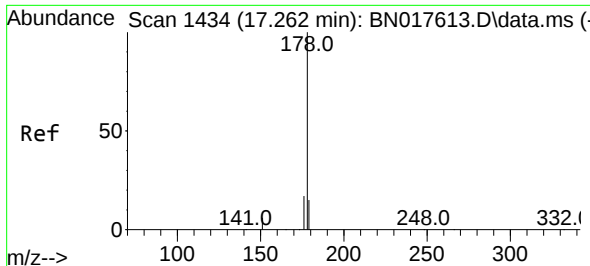
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

179 15.5 12.3 18.5

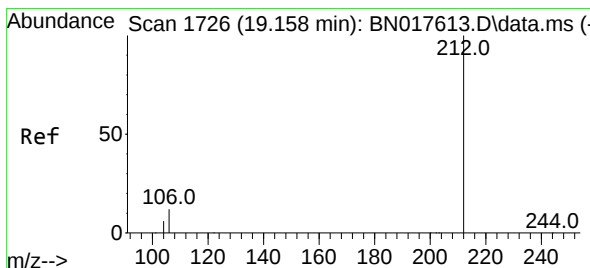
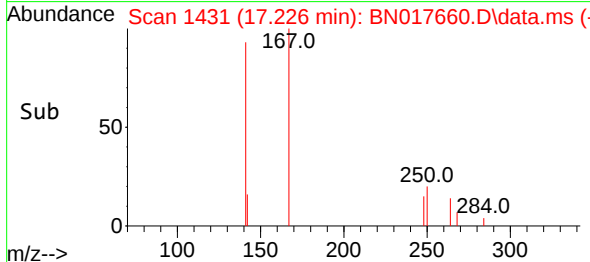
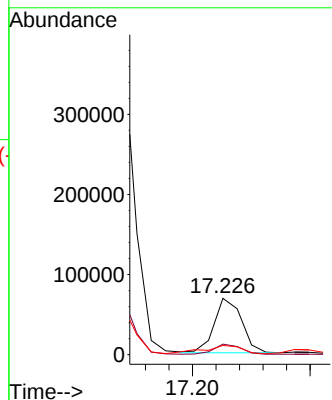
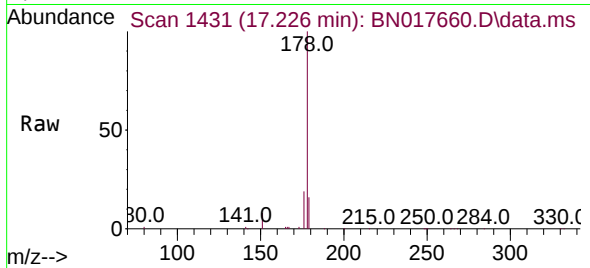




#26
 Anthracene
 Concen: 0.392 ng
 RT: 17.226 min Scan# 1434
 Delta R.T. -0.024 min
 Lab File: BN017660.D
 Acq: 01 Dec 2021 20:51

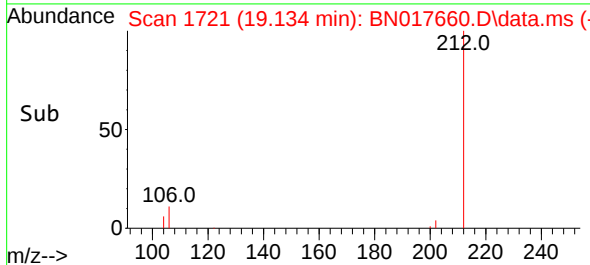
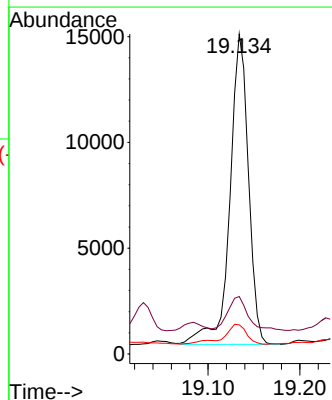
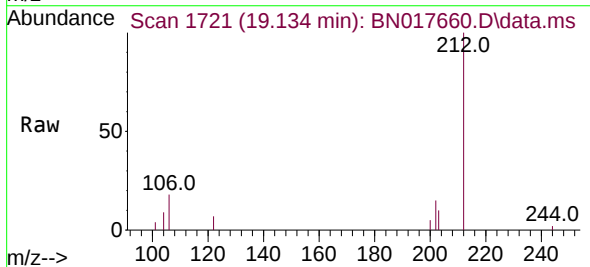
Instrument :
 BNA_N
 ClientSampleId :
 CS-4ADL

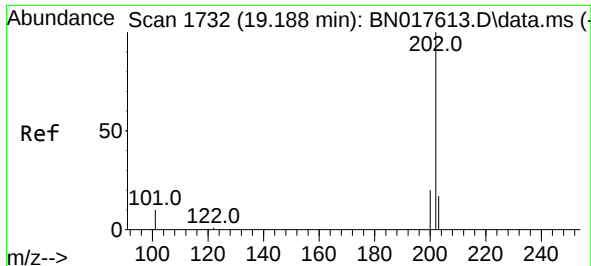
Tgt Ion:178 Resp: 110206
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.6 22.0
 179 20.5 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.056 ng
 RT: 19.134 min Scan# 1721
 Delta R.T. -0.020 min
 Lab File: BN017660.D
 Acq: 01 Dec 2021 20:51

Tgt Ion:212 Resp: 20697
 Ion Ratio Lower Upper
 212 100
 106 11.7 10.5 15.7
 104 7.9 5.8 8.6

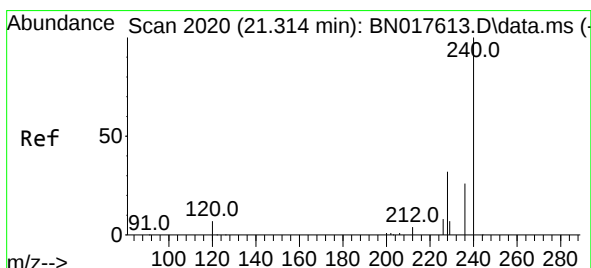
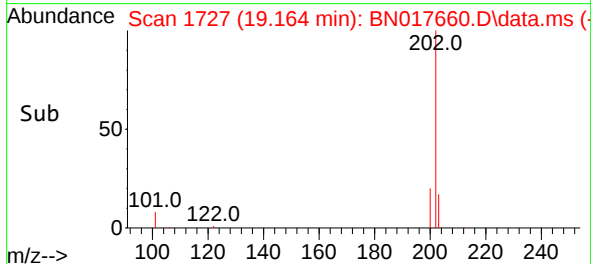
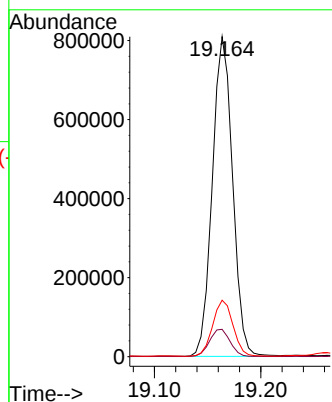
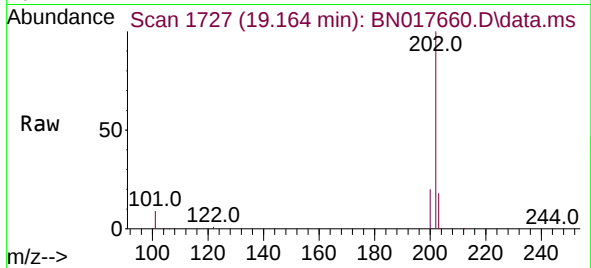




#28
Fluoranthene
Concen: 2.897 ng
RT: 19.164 min Scan# 11
Delta R.T. -0.020 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

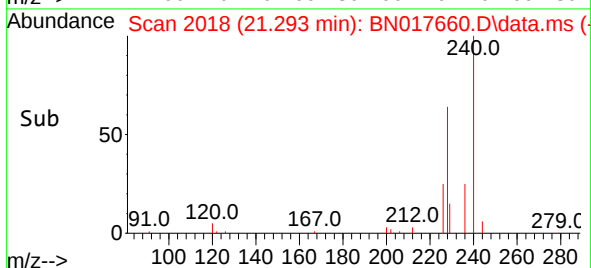
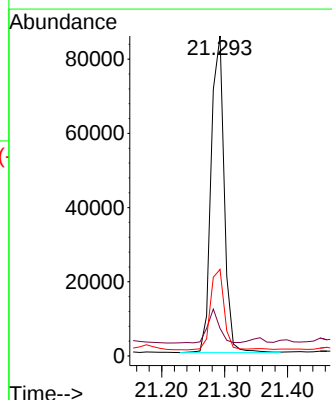
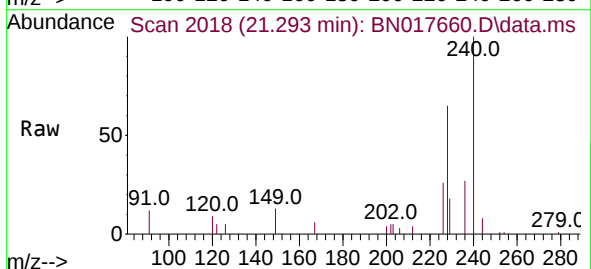
Instrument :
BNA_N
ClientSampleId :
CS-4ADL

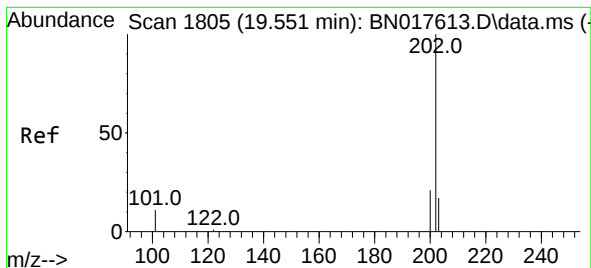
Tgt Ion:202 Resp: 1071929
Ion Ratio Lower Upper
202 100
101 8.7 8.9 13.3#
203 17.5 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.293 min Scan# 2018
Delta R.T. -0.010 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Tgt Ion:240 Resp: 122600
Ion Ratio Lower Upper
240 100
120 8.6 4.2 6.2#
236 27.0 20.0 30.0





#30

Pyrene

Concen: 2.285 ng

RT: 19.526 min Scan# 1800

Delta R.T. -0.020 min

Lab File: BN017660.D

Acq: 01 Dec 2021 20:51

Instrument :

BNA_N

ClientSampleId :

CS-4ADL

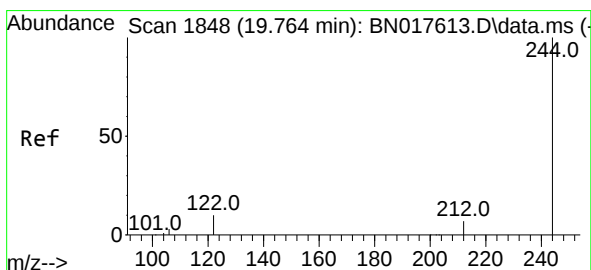
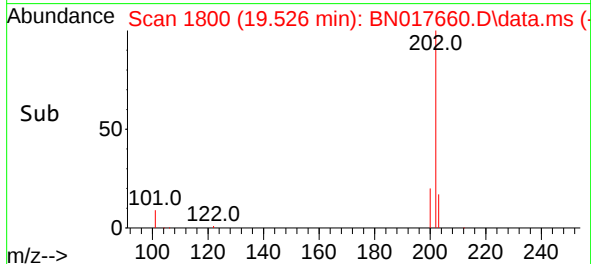
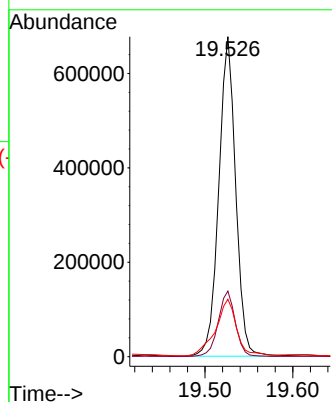
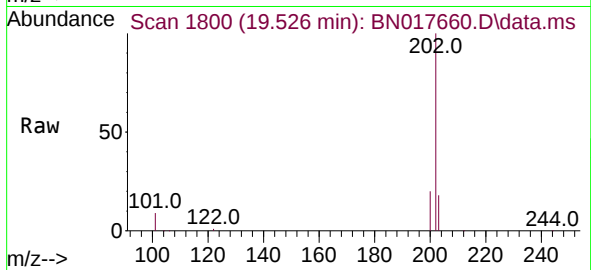
Tgt Ion:202 Resp: 904197

Ion Ratio Lower Upper

202 100

200 20.7 16.5 24.7

203 21.9 14.0 21.0#



#31

Terphenyl-d14

Concen: 0.052 ng

RT: 19.739 min Scan# 1843

Delta R.T. -0.015 min

Lab File: BN017660.D

Acq: 01 Dec 2021 20:51

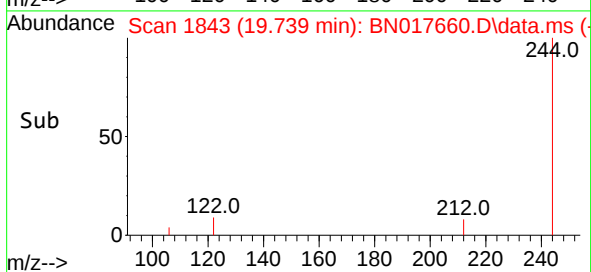
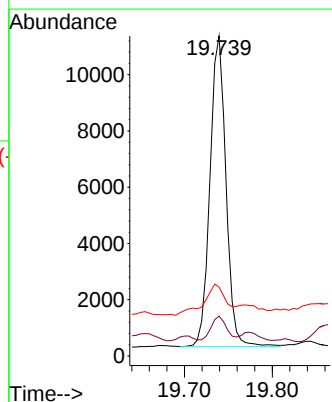
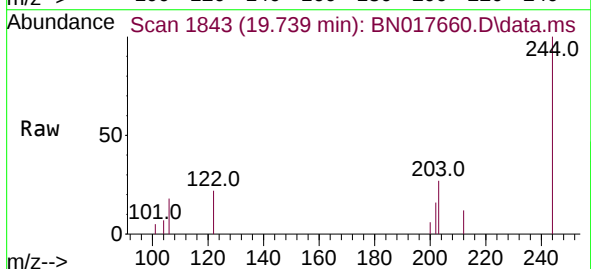
Tgt Ion:244 Resp: 14000

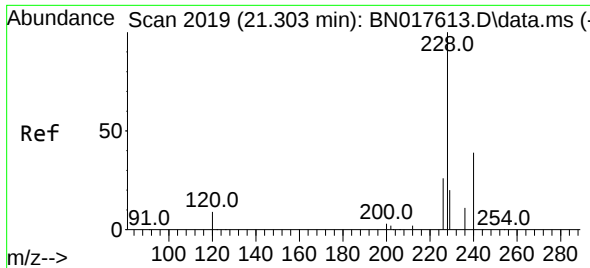
Ion Ratio Lower Upper

244 100

212 12.4 5.7 8.5#

122 21.5 8.6 13.0#

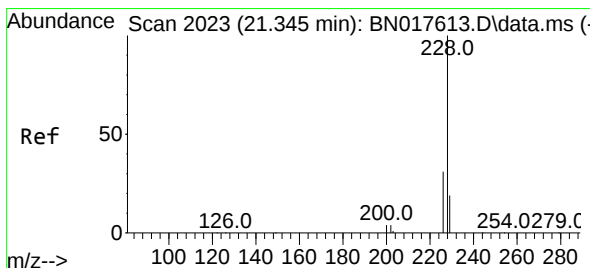
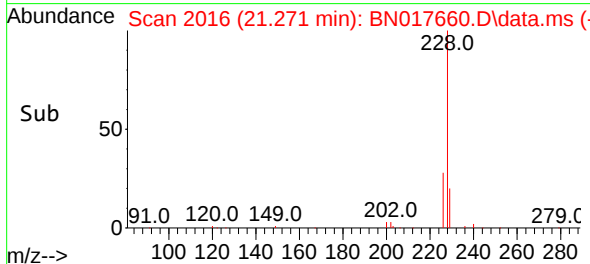
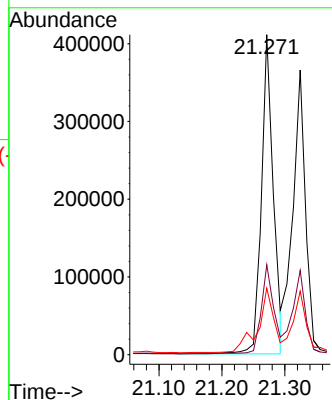
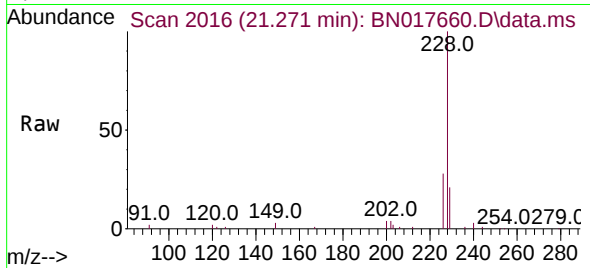




#32
Benzo(a)anthracene
Concen: 1.451 ng
RT: 21.271 min Scan# 2021
Delta R.T. -0.021 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

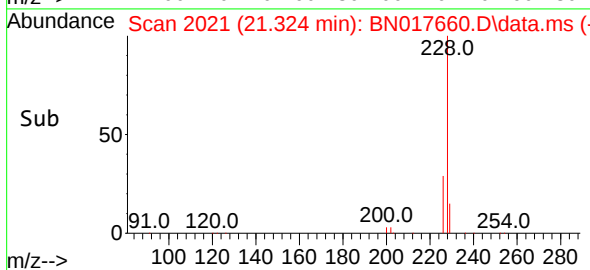
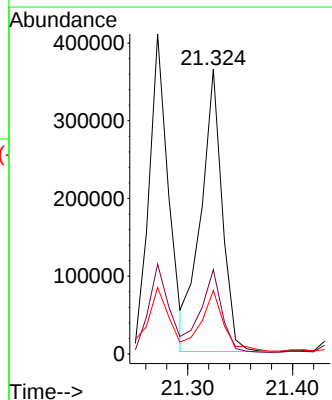
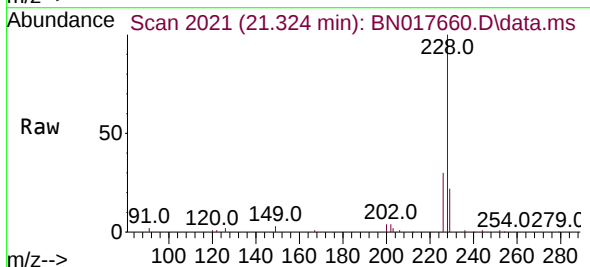
Instrument :
BNA_N
ClientSampleId :
CS-4ADL

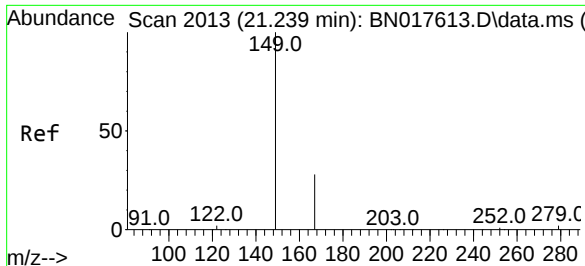
Tgt Ion:228 Resp: 540253
Ion Ratio Lower Upper
228 100
226 28.1 21.3 31.9
229 20.8 15.7 23.5



#33
Chrysene
Concen: 1.255 ng
RT: 21.324 min Scan# 2021
Delta R.T. -0.010 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Tgt Ion:228 Resp: 508502
Ion Ratio Lower Upper
228 100
226 29.6 23.3 34.9
229 22.3 15.6 23.4

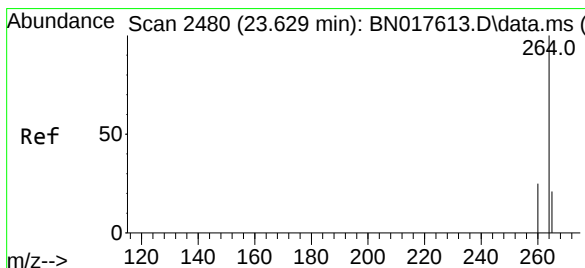
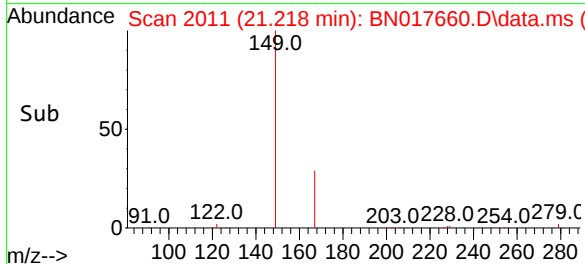
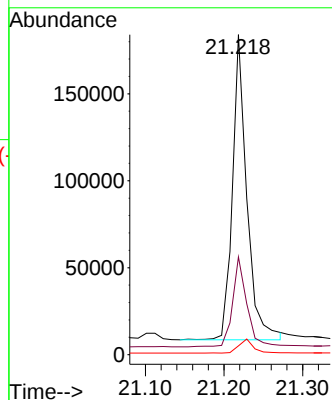
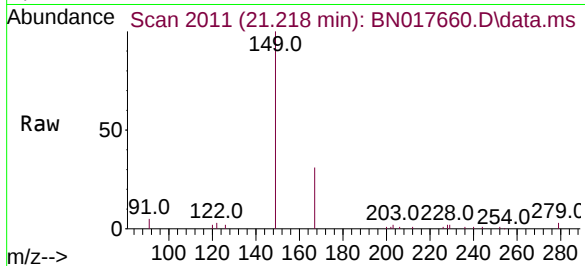




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 2.525 ng
 RT: 21.218 min Scan# 2011
 Delta R.T. -0.010 min
 Lab File: BN017660.D
 Acq: 01 Dec 2021 20:51

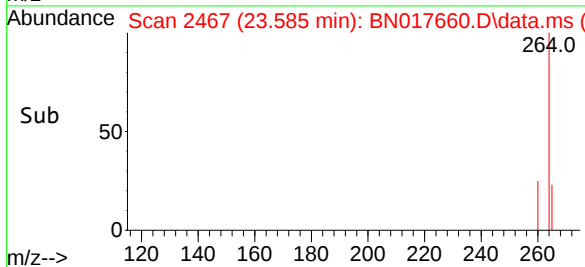
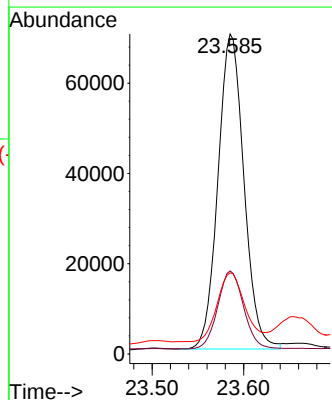
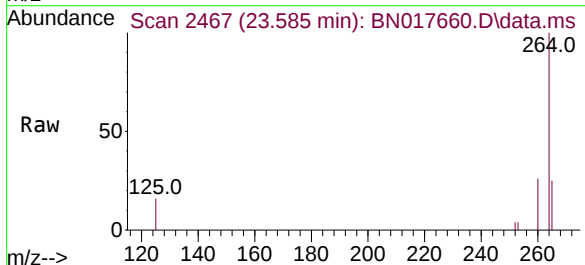
Instrument :
 BNA_N
 ClientSampleId :
 CS-4ADL

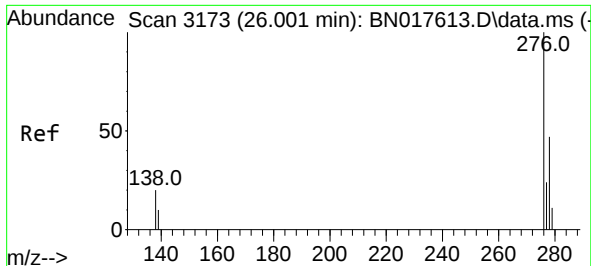
Tgt Ion:149 Resp: 223052
 Ion Ratio Lower Upper
 149 100
 167 29.1 21.8 32.6
 279 4.7 3.4 5.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.585 min Scan# 2467
 Delta R.T. -0.024 min
 Lab File: BN017660.D
 Acq: 01 Dec 2021 20:51

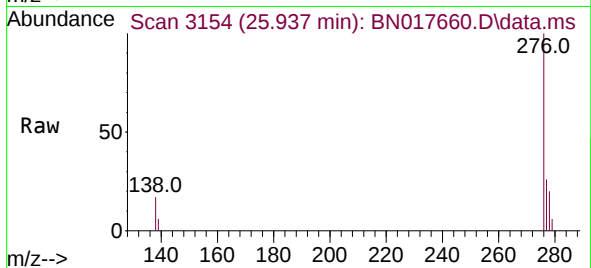
Tgt Ion:264 Resp: 137236
 Ion Ratio Lower Upper
 264 100
 260 25.9 19.4 29.2
 265 25.4 18.6 28.0



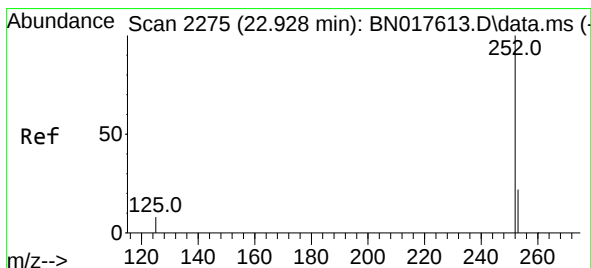
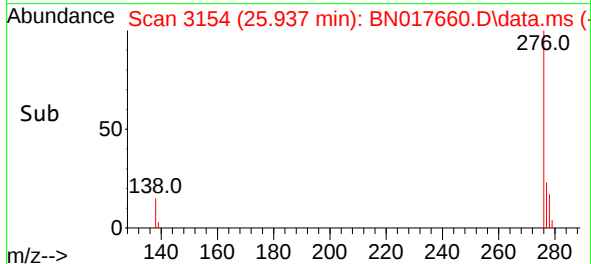
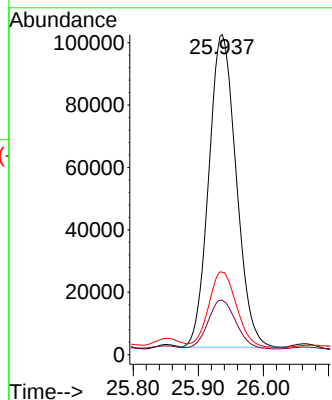


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.659 ng
 RT: 25.937 min Scan# 3173
 Delta R.T. -0.041 min
 Lab File: BN017660.D
 Acq: 01 Dec 2021 20:51

Instrument :
 BNA_N
 ClientSampleId :
 CS-4ADL

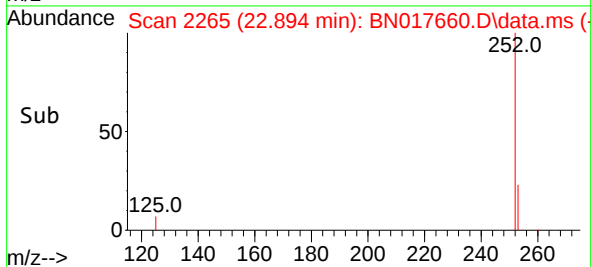
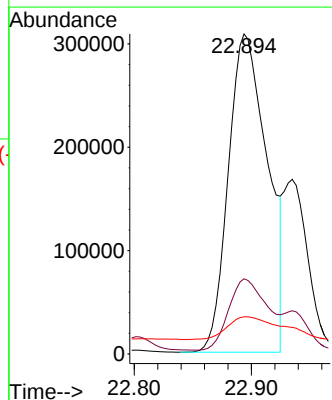
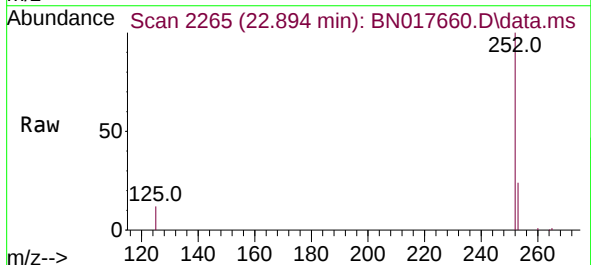


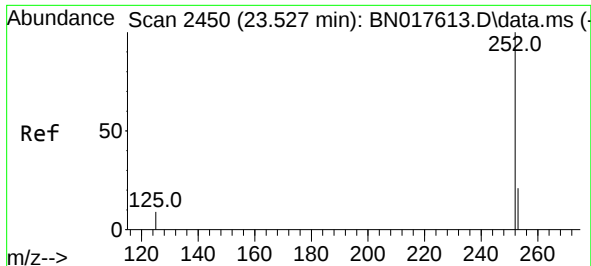
Tgt Ion:276 Resp: 293448
 Ion Ratio Lower Upper
 276 100
 138 16.0 19.7 29.5#
 277 24.7 20.0 30.0



#37
 Benzo(b)fluoranthene
 Concen: 1.567 ng
 RT: 22.894 min Scan# 2265
 Delta R.T. -0.020 min
 Lab File: BN017660.D
 Acq: 01 Dec 2021 20:51

Tgt Ion:252 Resp: 712946
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.7 26.5
 125 11.6 7.8 11.8





#39

Benzo(a)pyrene

Concen: 1.134 ng

RT: 23.482 min Scan# 24

Delta R.T. -0.024 min

Lab File: BN017660.D

Acq: 01 Dec 2021 20:51

Instrument :

BNA_N

ClientSampleId :

CS-4ADL

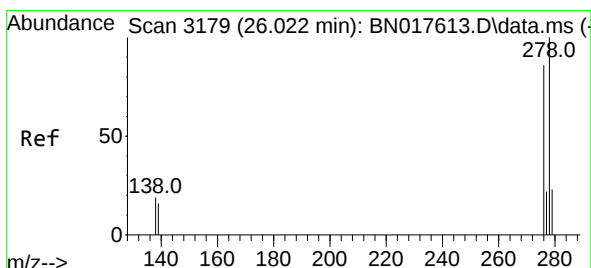
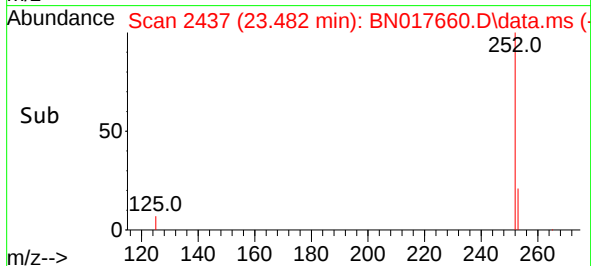
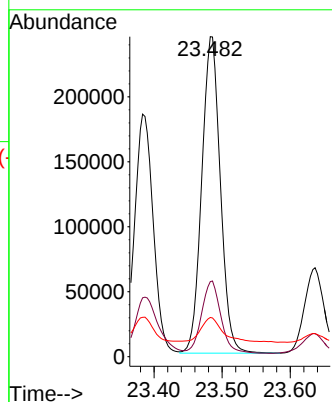
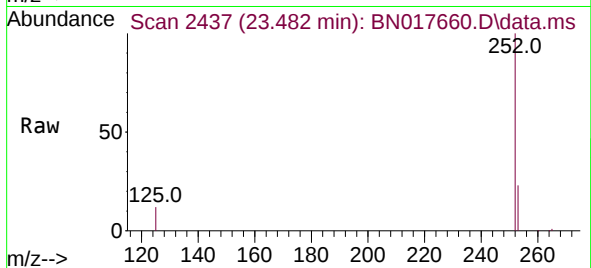
Tgt Ion:252 Resp: 461941

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

125 12.3 9.2 13.8



#40

Dibenzo(a,h)anthracene

Concen: 0.198 ng

RT: 25.947 min Scan# 3157

Delta R.T. -0.051 min

Lab File: BN017660.D

Acq: 01 Dec 2021 20:51

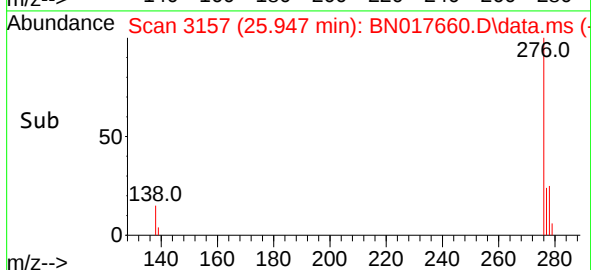
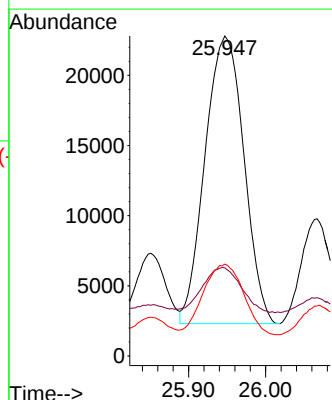
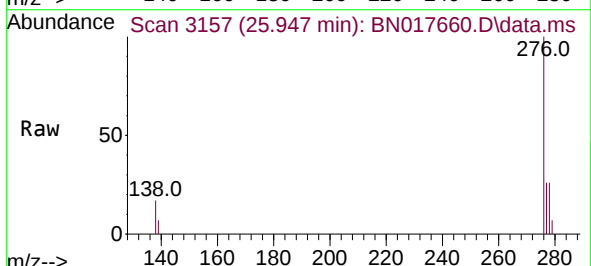
Tgt Ion:278 Resp: 71930

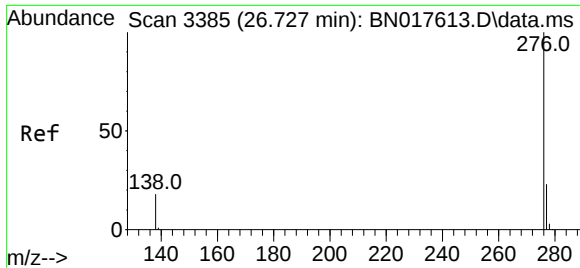
Ion Ratio Lower Upper

278 100

139 27.5 13.0 19.6#

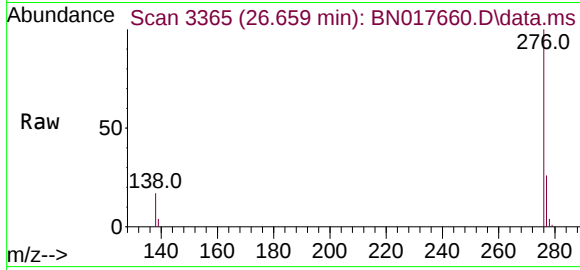
279 28.7 19.2 28.8





#41
Benzo(g,h,i)perylene
Concen: 0.739 ng
RT: 26.659 min Scan# 31
Delta R.T. -0.037 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Instrument :
BNA_N
ClientSampleId :
CS-4ADL



Tgt Ion:276 Resp: 276683
Ion Ratio Lower Upper
276 100
277 25.9 19.0 28.4
138 17.3 17.1 25.7

