

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017659.D
 Acq On : 01 Dec 2021 20:15
 Operator : CG/JU
 Sample : M4862-09DL 4X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-5BDL

Quant Time: Dec 01 20:49:31 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)

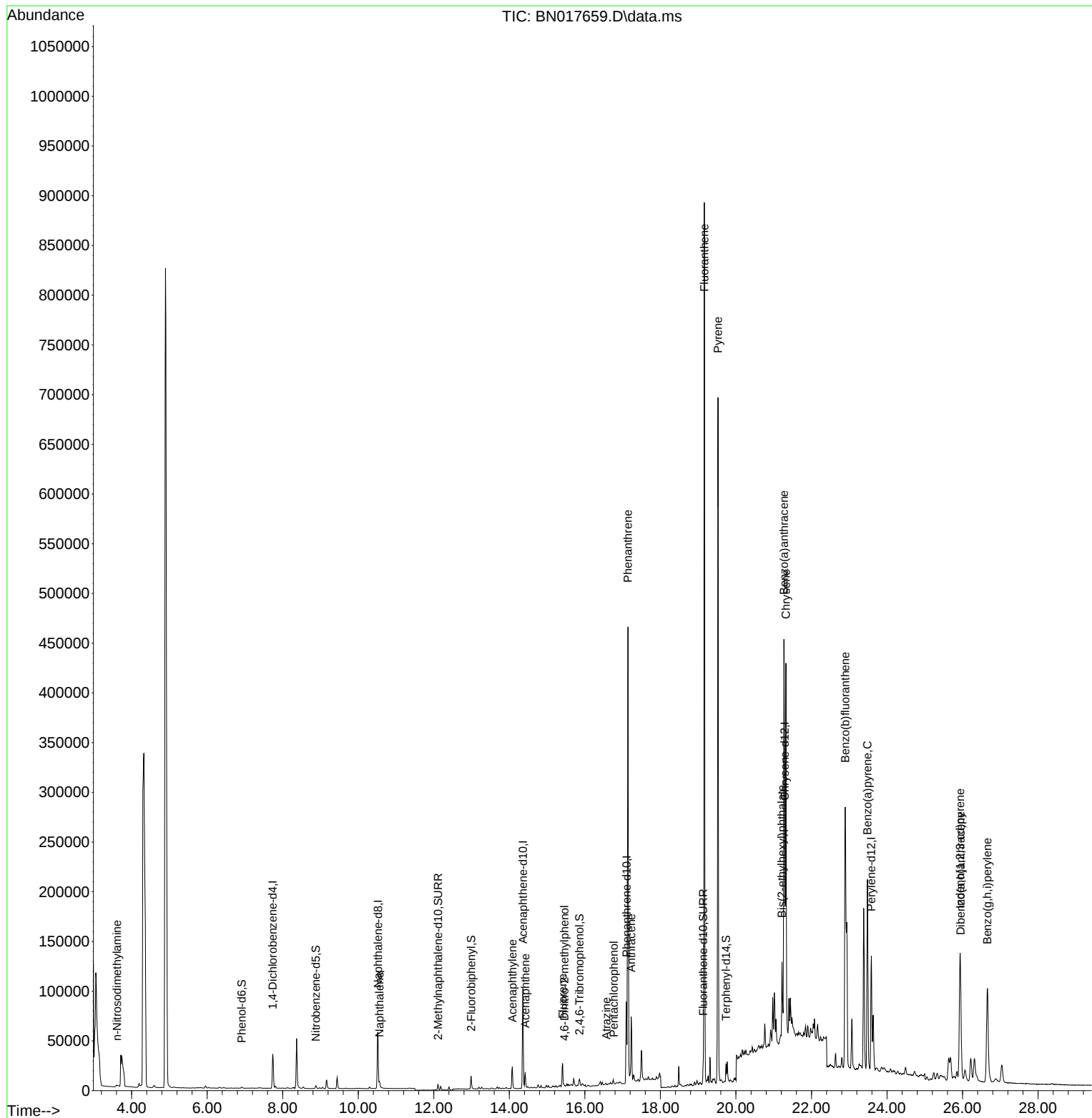
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.736	152	21965	0.400	ng	-0.04
7) Naphthalene-d8	10.522	136	92948	0.400	ng	-0.03
13) Acenaphthene-d10	14.359	164	60334	0.400	ng	-0.03
19) Phenanthrene-d10	17.104	188	132151	0.400	ng	-0.01
29) Chrysene-d12	21.292	240	133542	0.400	ng	#-0.01
35) Perylene-d12	23.585	264	154446	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.357	112	259	0.005	ng	-0.02
5) Phenol-d6	6.915	99	1196	0.023	ng	-0.03
8) Nitrobenzene-d5	8.874	82	2875	0.073	ng	-0.04
11) 2-Methylnaphthalene-d10	12.111	152	9485	0.058	ng	-0.03
14) 2,4,6-Tribromophenol	15.856	330	38	0.126	ng	-0.01
15) 2-Fluorobiphenyl	12.989	172	12521	0.053	ng	-0.03
27) Fluoranthene-d10	19.134	212	25417	0.062	ng	-0.02
31) Terphenyl-d14	19.739	244	18698	0.064	ng	-0.01
Target Compounds					Qvalue	
3) n-Nitrosodimethylamine	3.614	42	1204	0.058	ng	# 1
9) Naphthalene	10.560	128	7546	0.032	ng	96
16) Acenaphthylene	14.080	152	27922	0.119	ng	99
17) Acenaphthene	14.422	154	8085	0.050	ng	98
18) Fluorene	15.412	166	19451	0.098	ng	# 94
20) 4,6-Dinitro-2-methylph...	15.463	198	38	0.062	ng	# 1
23) Atrazine	16.569	200	70	0.132	ng	# 1
24) Pentachlorophenol	16.763	266	53	0.194	ng	# 46
25) Phenanthrene	17.141	178	474871	1.310	ng	100
26) Anthracene	17.226	178	84248	0.271	ng	# 94
28) Fluoranthene	19.163	202	797441	1.944	ng	# 97
30) Pyrene	19.526	202	634589	1.472	ng	96
32) Benzo(a)anthracene	21.271	228	329296	0.812	ng	96
33) Chrysene	21.324	228	333748	0.756	ng	97
34) Bis(2-ethylhexyl)phtha...	21.218	149	73404	0.763	ng	95
36) Indeno(1,2,3-cd)pyrene	25.936	276	228528	0.456	ng	# 91
37) Benzo(b)fluoranthene	22.894	252	491111	0.959	ng	# 94
39) Benzo(a)pyrene	23.482	252	286902	0.626	ng	# 94
40) Dibenzo(a,h)anthracene	25.950	278	53088	0.130	ng	# 79
41) Benzo(g,h,i)perylene	26.659	276	217633	0.516	ng	94

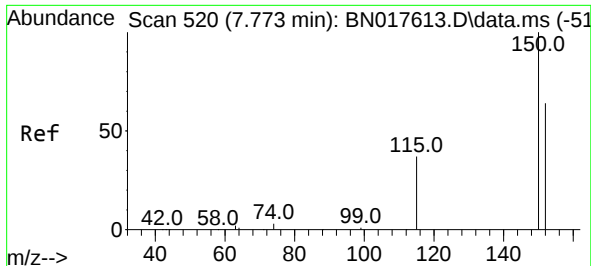
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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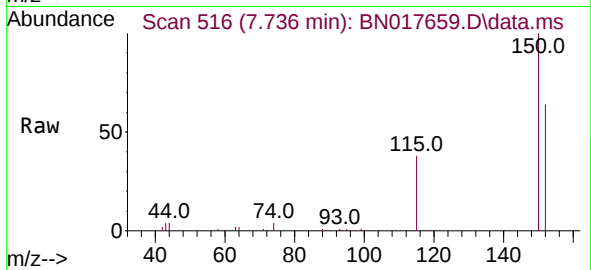
Quant Time: Dec 01 20:49:31 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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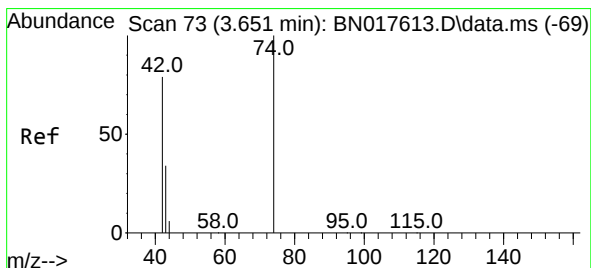
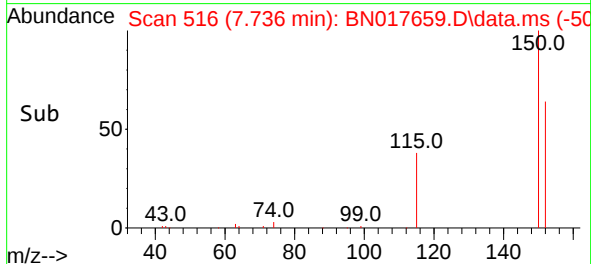
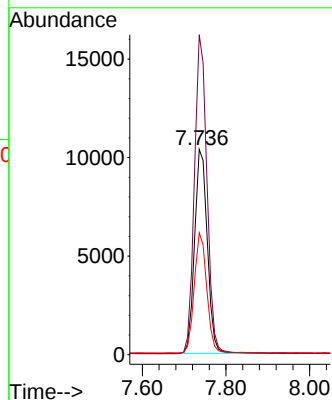


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 51
Delta R.T. -0.037 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Instrument :
BNA_N
ClientSampleId :
CS-5BDL

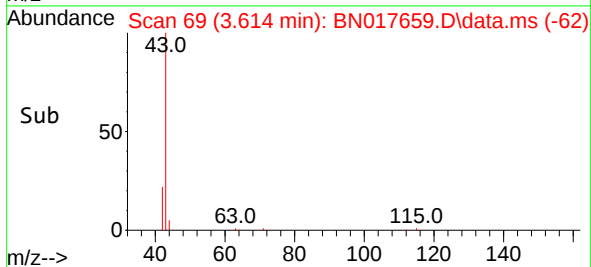
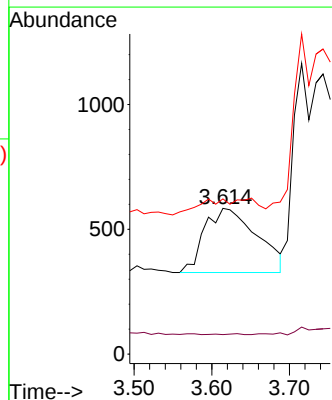
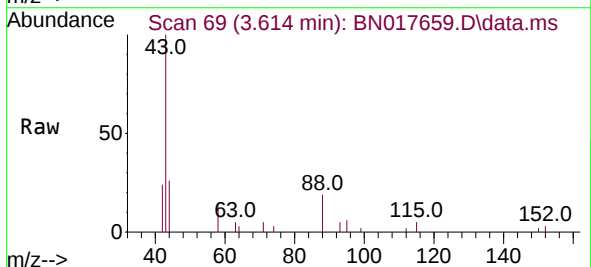


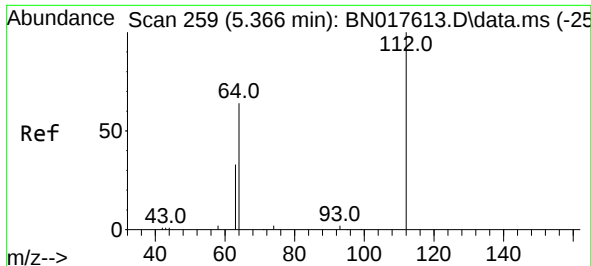
Tgt Ion:152 Resp: 21965
Ion Ratio Lower Upper
152 100
150 155.9 123.0 184.4
115 59.4 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.058 ng
RT: 3.614 min Scan# 69
Delta R.T. -0.037 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Tgt Ion: 42 Resp: 1204
Ion Ratio Lower Upper
42 100
74 0.0 97.8 146.6#
44 9.7 5.5 8.3#

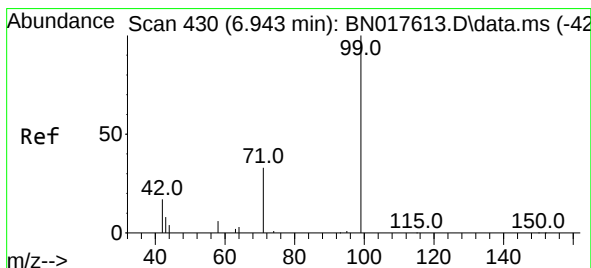
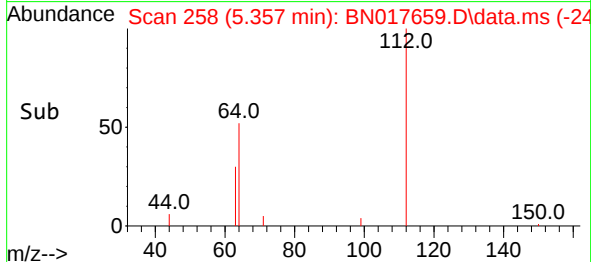
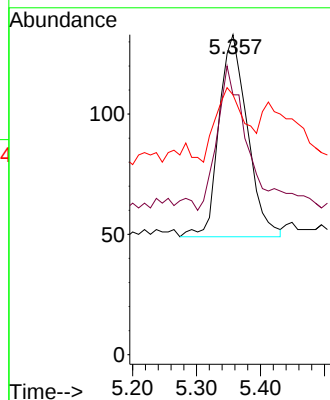
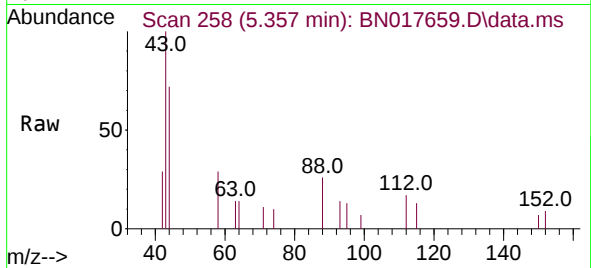




#4
2-Fluorophenol
Concen: 0.005 ng
RT: 5.357 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

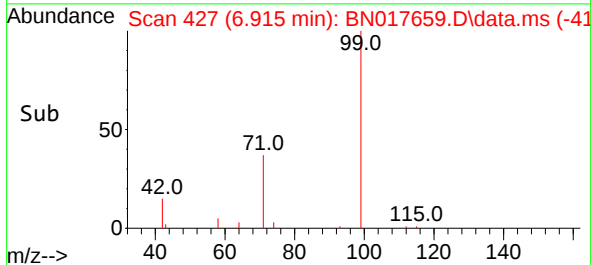
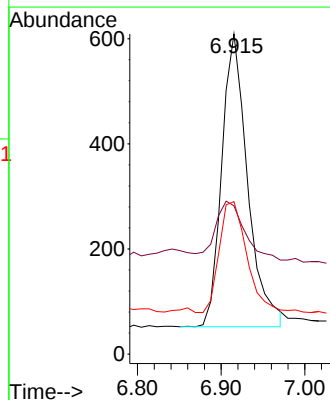
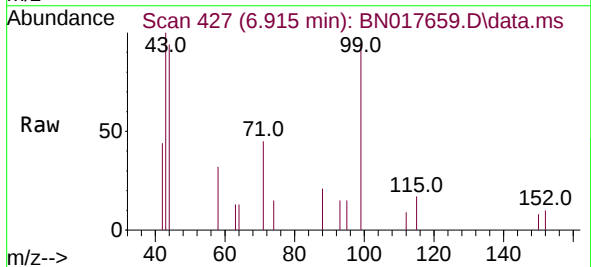
Instrument :
BNA_N
ClientSampleId :
CS-5BDL

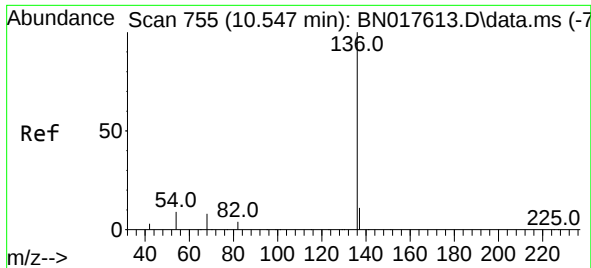
Tgt Ion:112 Resp: 259
Ion Ratio Lower Upper
112 100
64 78.0 47.6 71.4#
63 37.8 24.6 37.0#



#5
Phenol-d6
Concen: 0.023 ng
RT: 6.915 min Scan# 427
Delta R.T. -0.028 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Tgt Ion: 99 Resp: 1196
Ion Ratio Lower Upper
99 100
42 22.4 17.0 25.6
71 40.2 24.8 37.2#

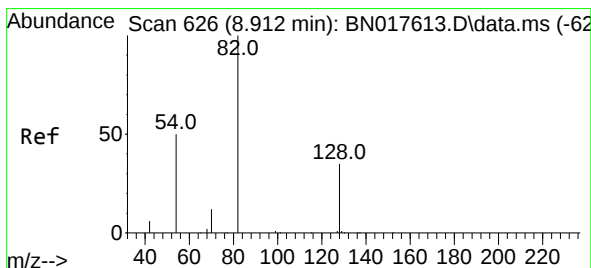
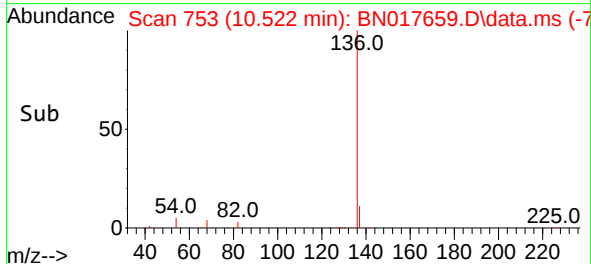
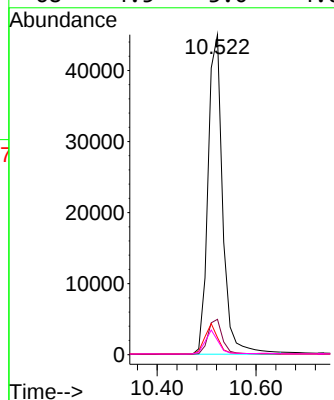
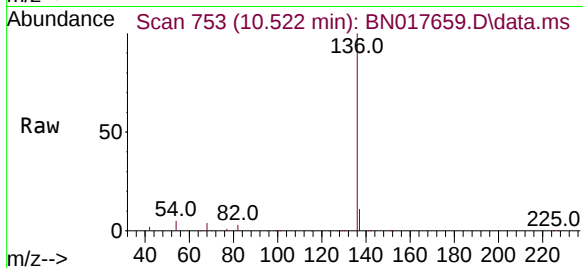




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.522 min Scan# 71
Delta R.T. -0.025 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

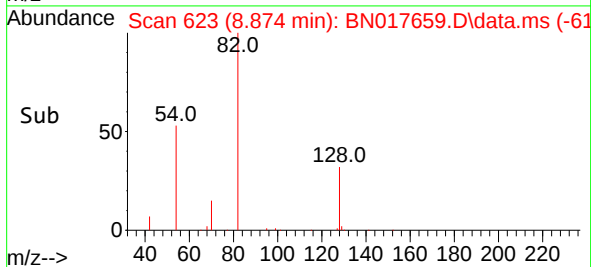
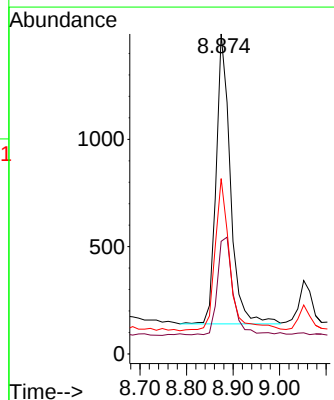
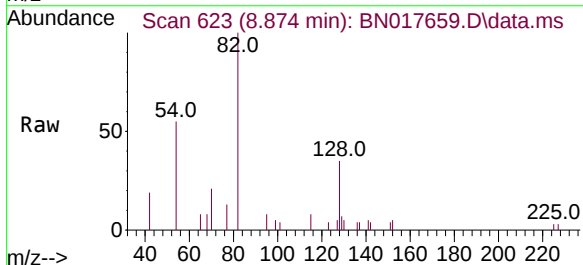
Instrument :
BNA_N
ClientSampleId :
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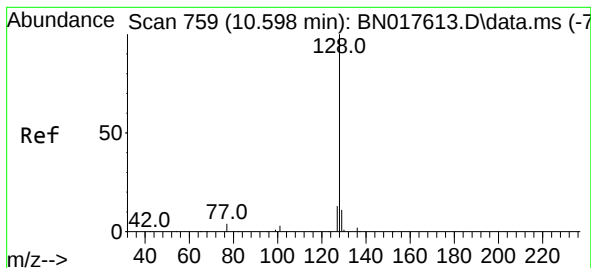
Tgt Ion:	136	Resp:	92948
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	5.4	4.0	6.0
68	4.5	3.0	4.6



#8
Nitrobenzene-d5
Concen: 0.073 ng
RT: 8.874 min Scan# 623
Delta R.T. -0.038 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Tgt Ion:	82	Resp:	2875
Ion Ratio	Lower	Upper	
82	100		
128	35.2	27.7	41.5
54	54.8	49.2	73.8





#9

Naphthalene

Concen: 0.032 ng

RT: 10.560 min Scan# 71

Delta R.T. -0.038 min

Lab File: BN017659.D

Acq: 01 Dec 2021 20:15

Instrument :

BNA_N

ClientSampleId :

CS-5BDL

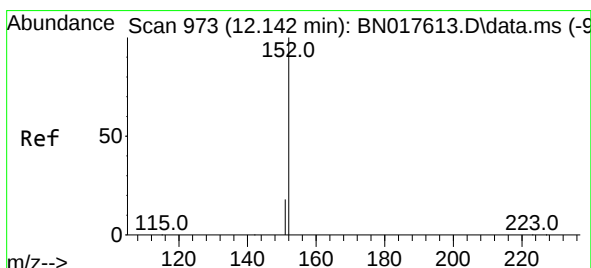
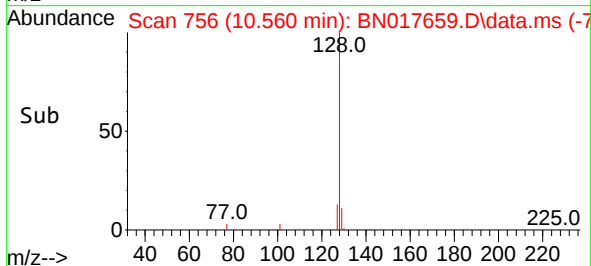
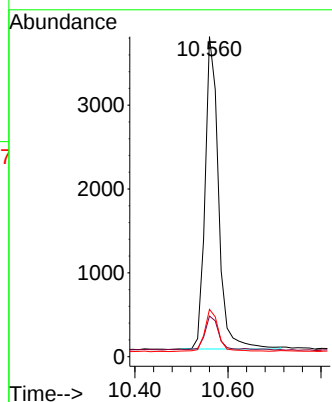
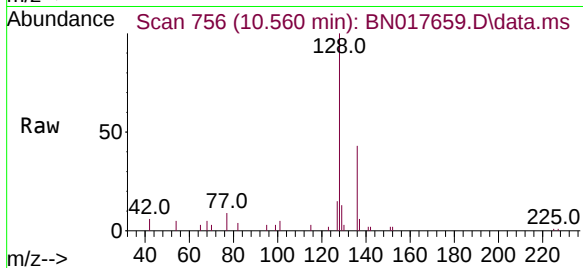
Tgt Ion:128 Resp: 7546

Ion Ratio Lower Upper

128 100

129 12.7 8.8 13.2

127 14.8 10.6 15.8



#11

2-Methylnaphthalene-d10

Concen: 0.058 ng

RT: 12.111 min Scan# 966

Delta R.T. -0.027 min

Lab File: BN017659.D

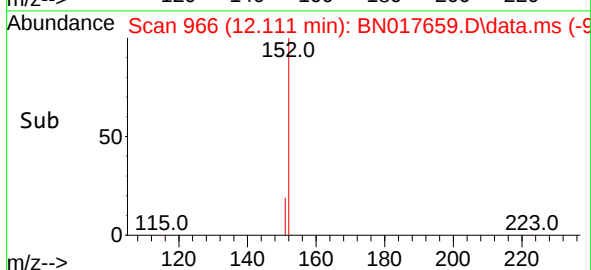
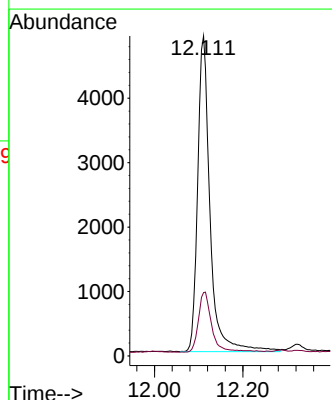
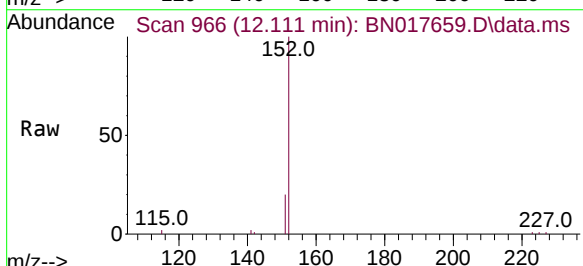
Acq: 01 Dec 2021 20:15

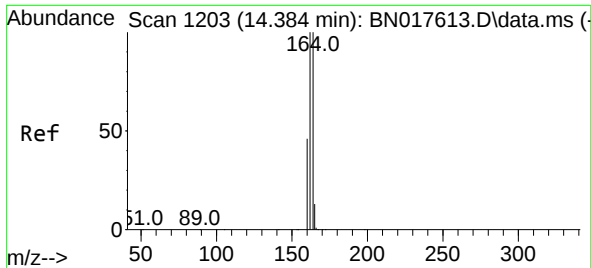
Tgt Ion:152 Resp: 9485

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

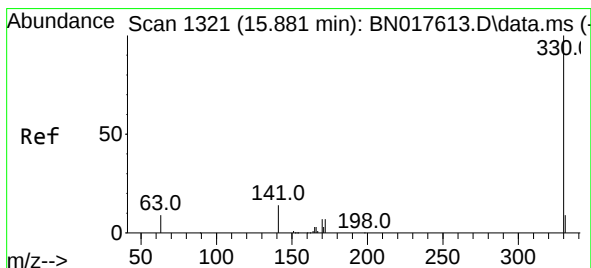
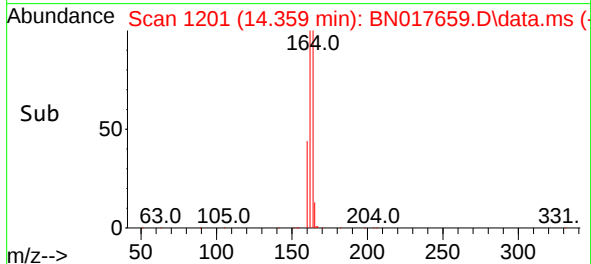
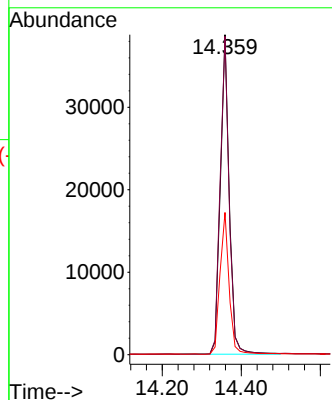
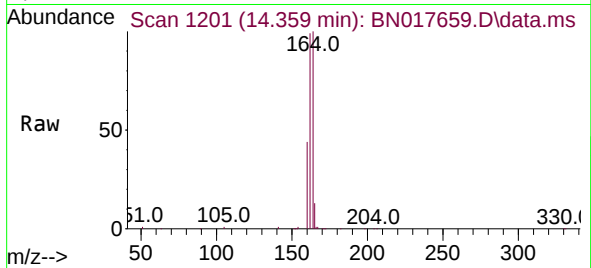




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.359 min Scan# 1319
 Delta R.T. -0.025 min
 Lab File: BN017659.D
 Acq: 01 Dec 2021 20:15

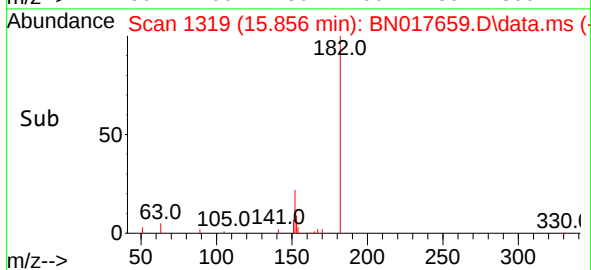
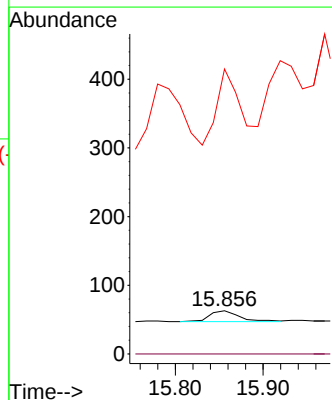
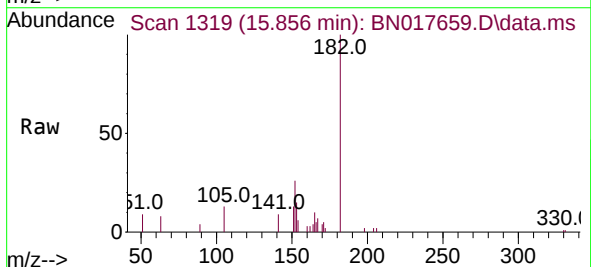
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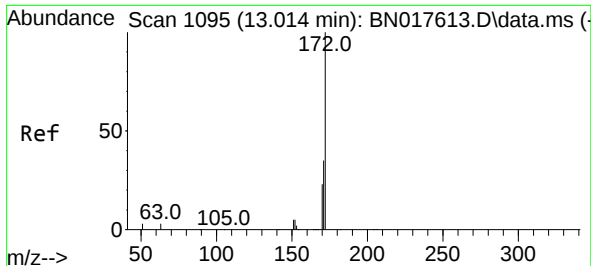
Tgt Ion:164 Resp: 60334
 Ion Ratio Lower Upper
 164 100
 162 99.5 81.4 122.2
 160 44.4 36.8 55.2



#14
 2,4,6-Tribromophenol
 Concen: 0.126 ng
 RT: 15.856 min Scan# 1319
 Delta R.T. -0.013 min
 Lab File: BN017659.D
 Acq: 01 Dec 2021 20:15

Tgt Ion:330 Resp: 38
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 552.6 28.9 43.3#

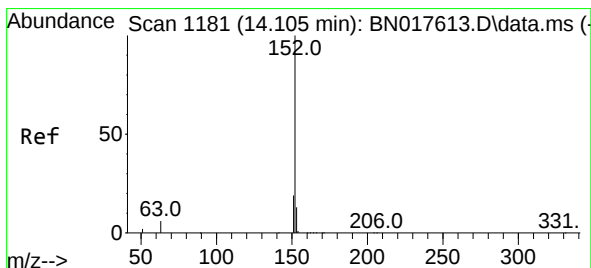
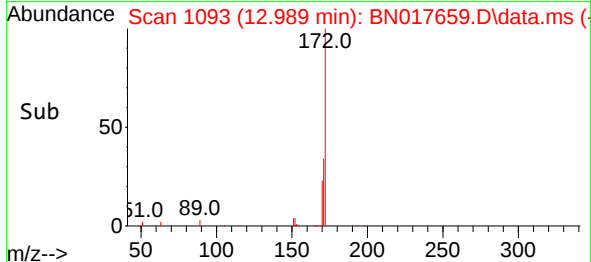
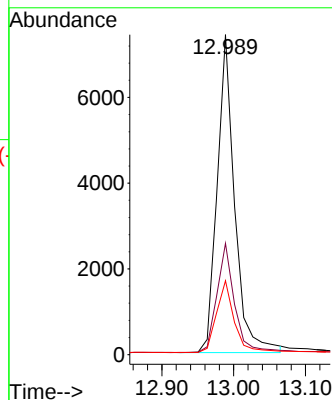
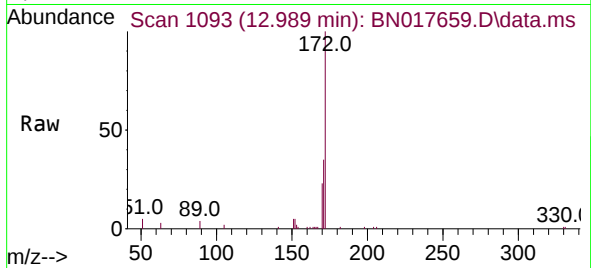




#15
2-Fluorobiphenyl
Concen: 0.053 ng
RT: 12.989 min Scan# 1107
Delta R.T. -0.025 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

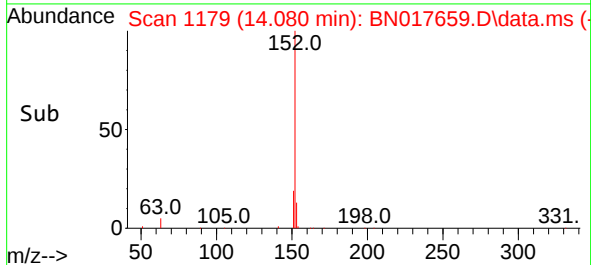
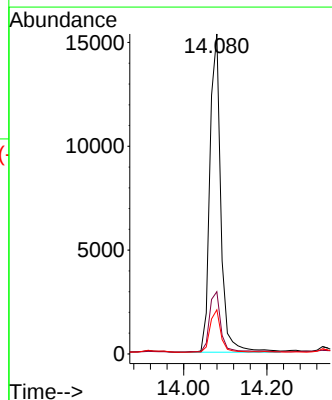
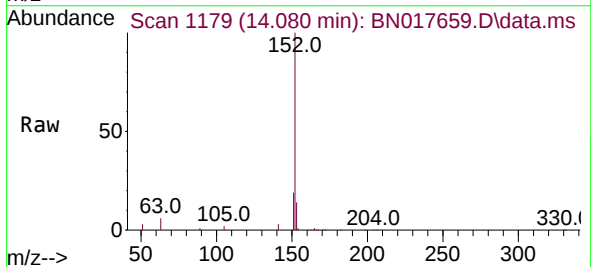
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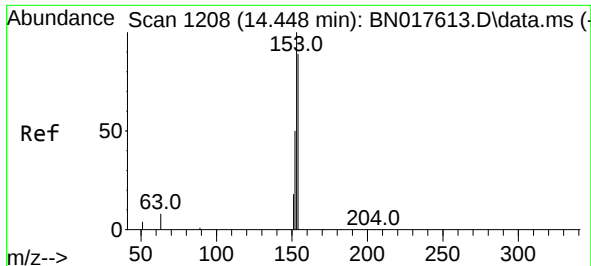
Tgt Ion:172 Resp: 12521
Ion Ratio Lower Upper
172 100
171 34.8 28.7 43.1
170 23.1 19.4 29.2



#16
Acenaphthylene
Concen: 0.119 ng
RT: 14.080 min Scan# 1179
Delta R.T. -0.025 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Tgt Ion:152 Resp: 27922
Ion Ratio Lower Upper
152 100
151 20.2 15.5 23.3
153 13.4 10.4 15.6

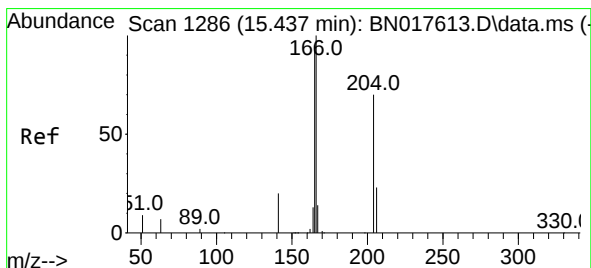
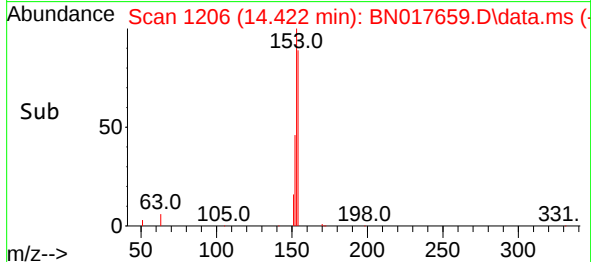
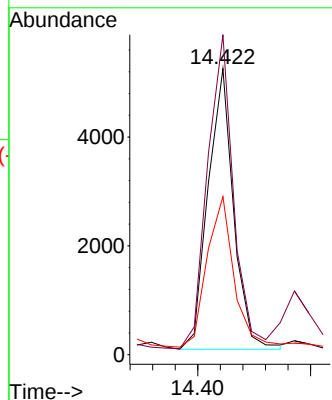
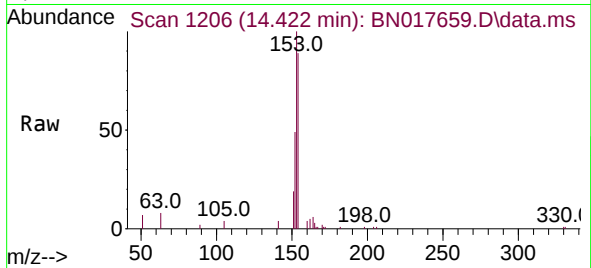




#17
Acenaphthene
Concen: 0.050 ng
RT: 14.422 min Scan# 11
Delta R.T. -0.025 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

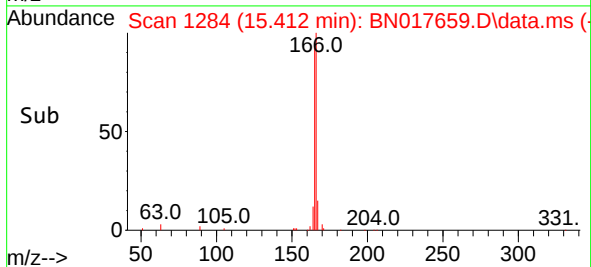
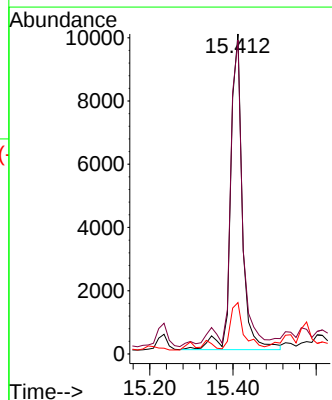
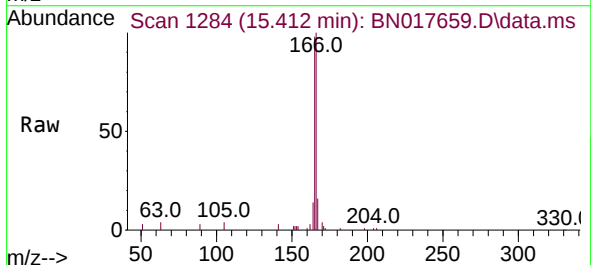
Instrument :
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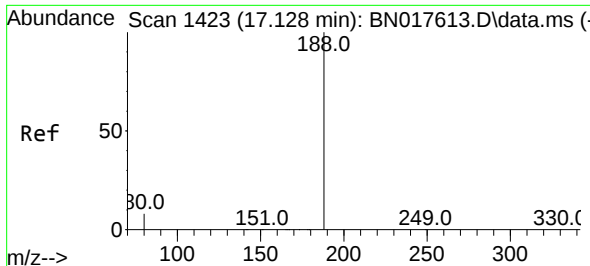
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Ion Ratio Lower Upper
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153 112.9 91.2 136.8
152 59.2 44.3 66.5



#18
Fluorene
Concen: 0.098 ng
RT: 15.412 min Scan# 1284
Delta R.T. -0.013 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Tgt Ion:166 Resp: 19451
Ion Ratio Lower Upper
166 100
165 91.8 77.9 116.9
167 16.4 10.9 16.3#

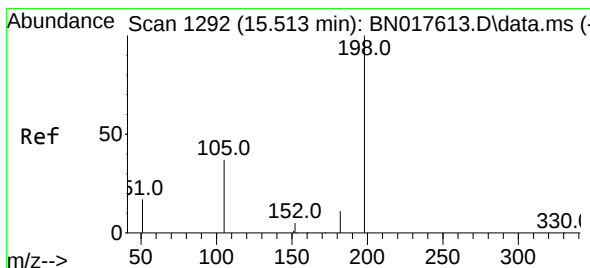
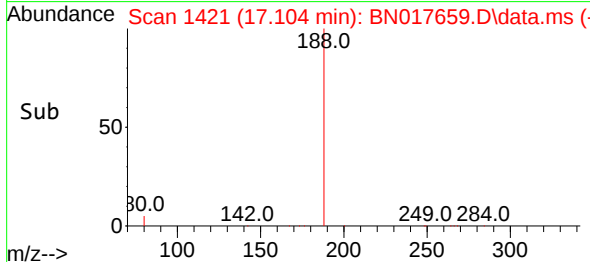
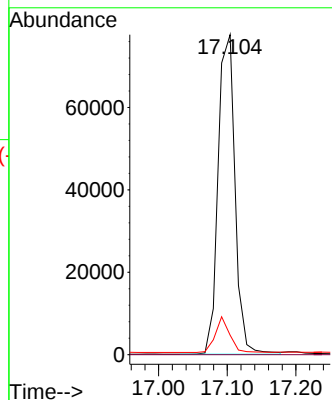
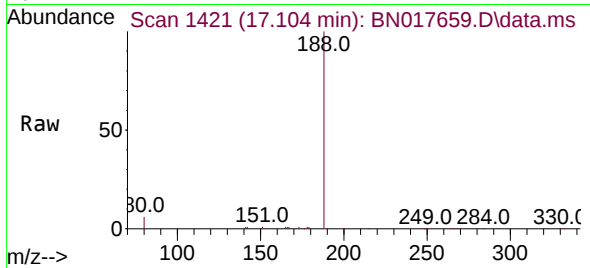




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.104 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

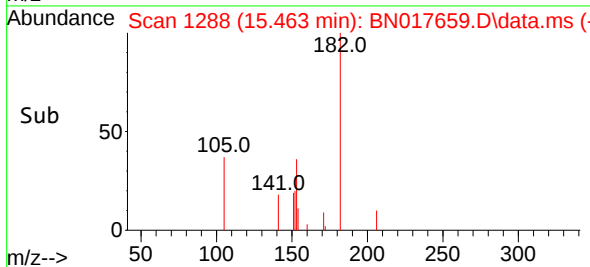
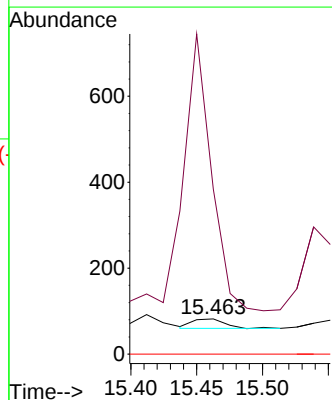
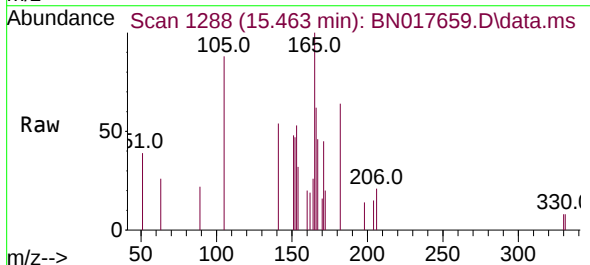
Instrument :
BNA_N
ClientSampleId :
CS-5BDL

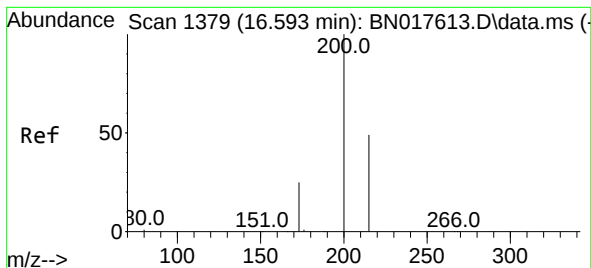
Tgt Ion:188 Resp: 132151
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.1 6.1 9.1



#20
4,6-Dinitro-2-methylphenol
Concen: 0.062 ng
RT: 15.463 min Scan# 1288
Delta R.T. -0.051 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Tgt Ion:198 Resp: 38
Ion Ratio Lower Upper
198 100
182 468.3 11.4 17.2#
77 0.0 0.0 0.0





#23

Atrazine

Concen: 0.132 ng

RT: 16.569 min Scan# 1377

Delta R.T. -0.024 min

Lab File: BN017659.D

Acq: 01 Dec 2021 20:15

Instrument :

BNA_N

ClientSampleId :

CS-5BDL

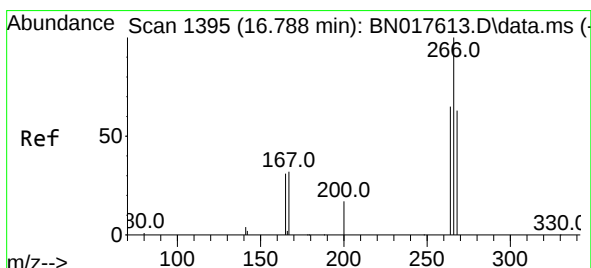
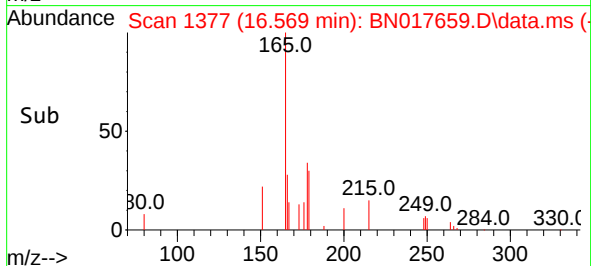
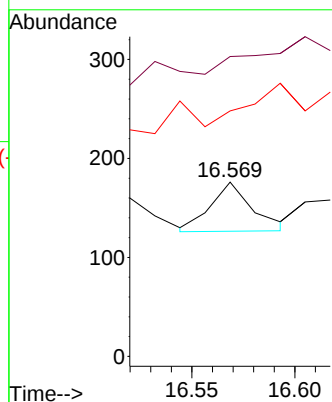
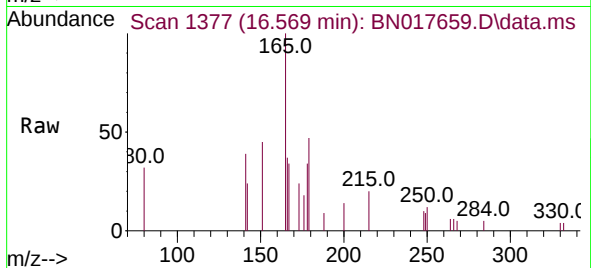
Tgt Ion:200 Resp: 70

Ion Ratio Lower Upper

200 100

173 172.2 17.6 26.4#

215 140.9 40.2 60.4#



#24

Pentachlorophenol

Concen: 0.194 ng

RT: 16.763 min Scan# 1393

Delta R.T. -0.012 min

Lab File: BN017659.D

Acq: 01 Dec 2021 20:15

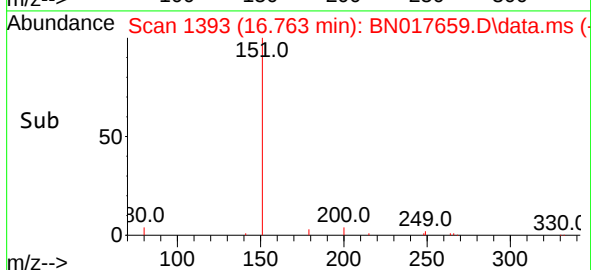
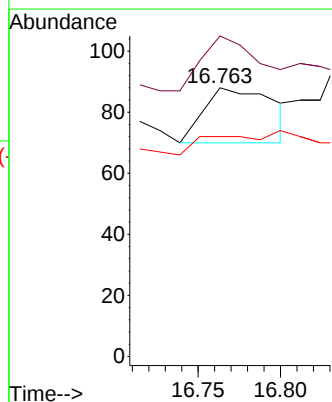
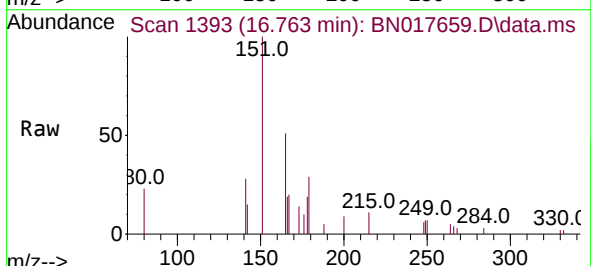
Tgt Ion:266 Resp: 53

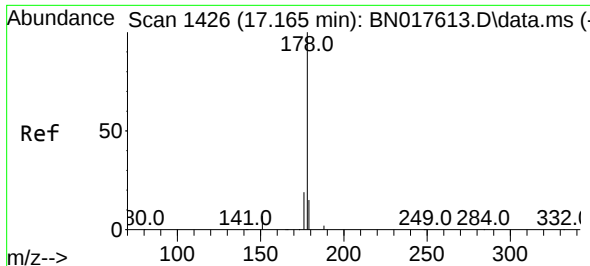
Ion Ratio Lower Upper

266 100

264 81.1 49.8 74.8#

268 0.0 51.3 76.9#

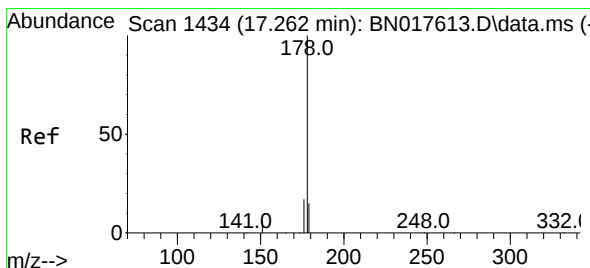
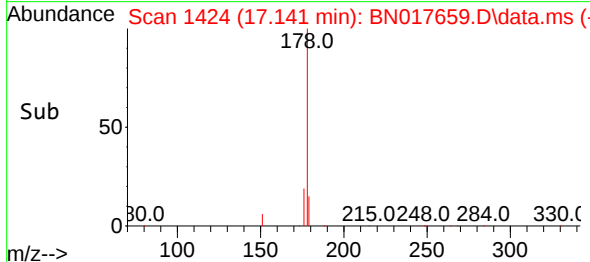
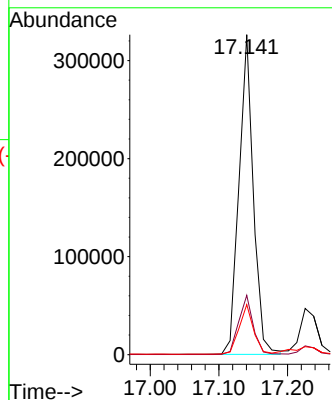
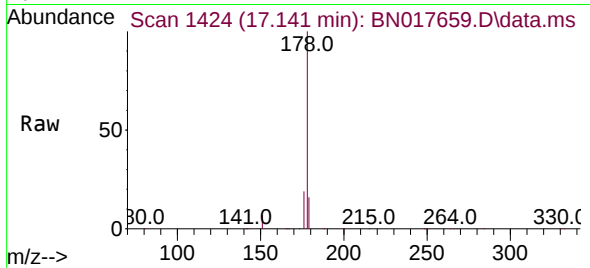




#25
Phenanthrene
Concen: 1.310 ng
RT: 17.141 min Scan# 1424
Delta R.T. -0.024 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

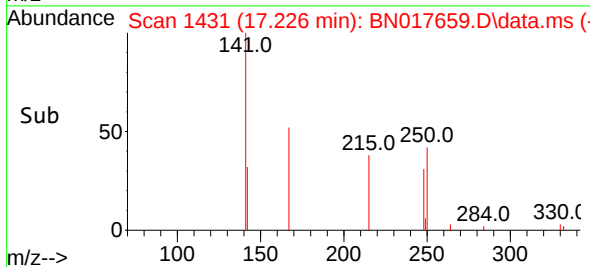
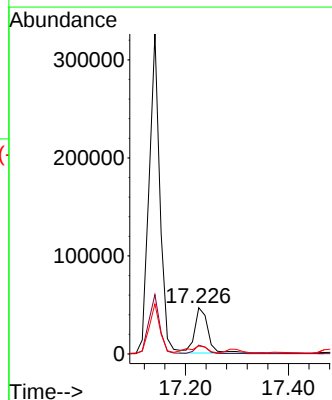
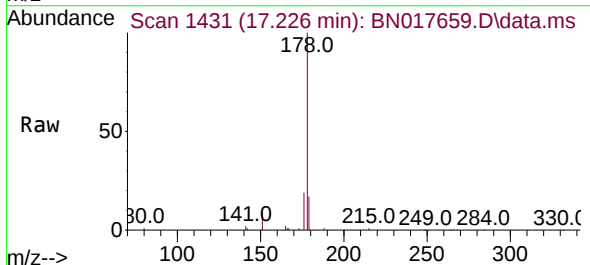
Instrument :
BNA_N
ClientSampleId :
CS-5BDL

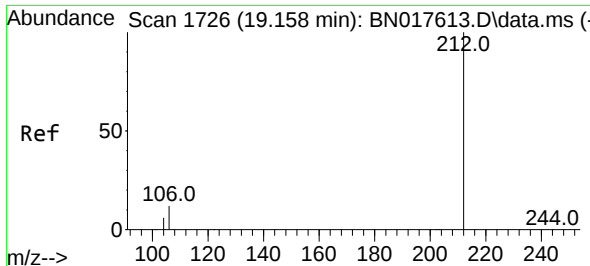
Tgt Ion:178 Resp: 474871
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.6 12.3 18.5



#26
Anthracene
Concen: 0.271 ng
RT: 17.226 min Scan# 1431
Delta R.T. -0.024 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Tgt Ion:178 Resp: 84248
Ion Ratio Lower Upper
178 100
176 17.3 14.6 22.0
179 20.0 12.2 18.4#

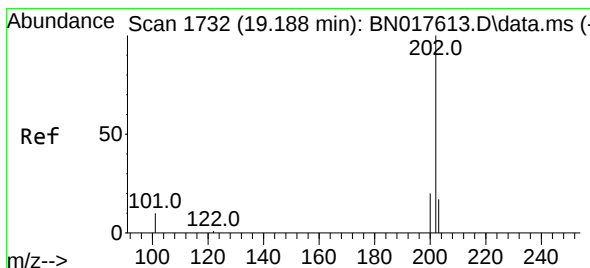
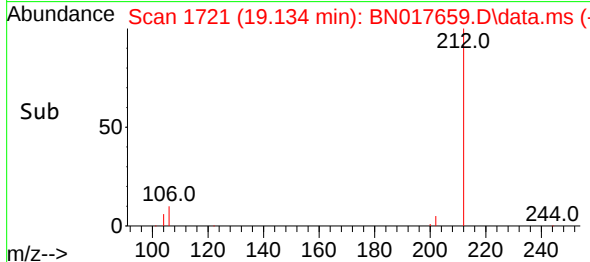
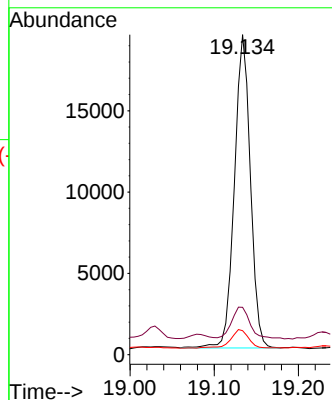
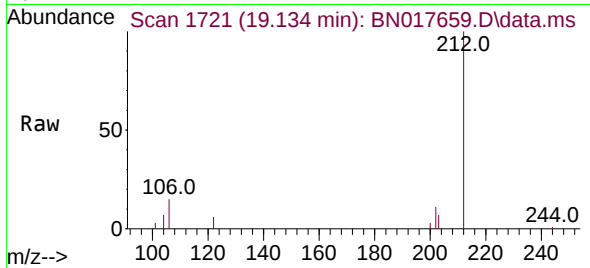




#27
Fluoranthene-d10
Concen: 0.062 ng
RT: 19.134 min Scan# 1721
Delta R.T. -0.020 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

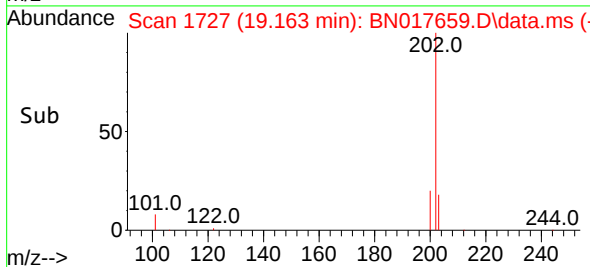
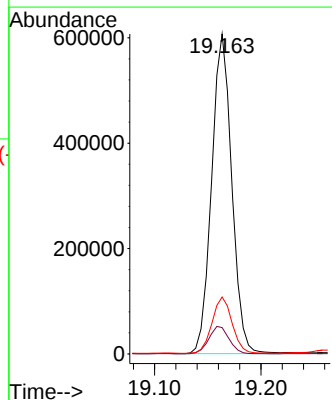
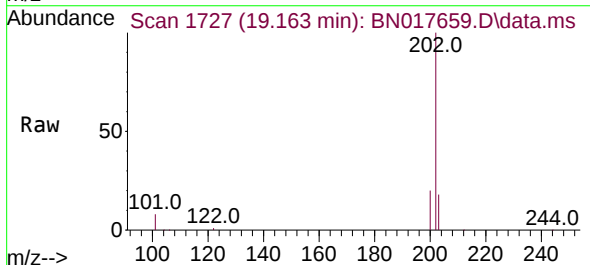
Instrument :
BNA_N
ClientSampleId :
CS-5BDL

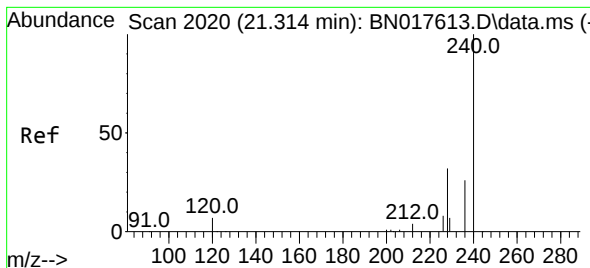
Tgt Ion:212 Resp: 25417
Ion Ratio Lower Upper
212 100
106 11.8 10.5 15.7
104 6.5 5.8 8.6



#28
Fluoranthene
Concen: 1.944 ng
RT: 19.163 min Scan# 1727
Delta R.T. -0.020 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Tgt Ion:202 Resp: 797441
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: 21.292 min Scan# 20

Delta R.T. -0.011 min

Lab File: BN017659.D

Acq: 01 Dec 2021 20:15

Instrument :

BNA_N

ClientSampleId :

CS-5BDL

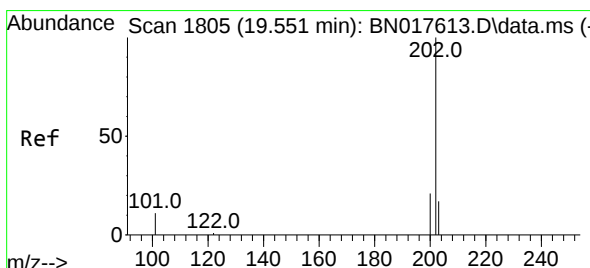
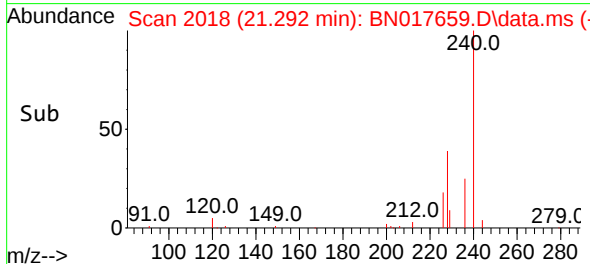
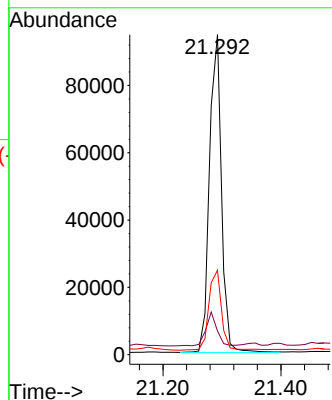
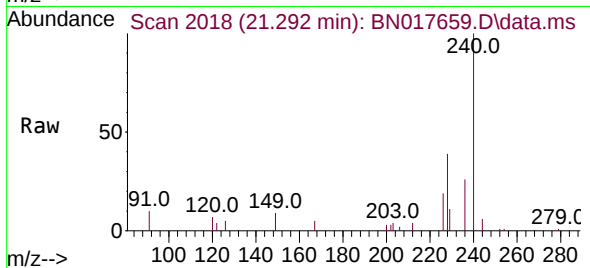
Tgt Ion:240 Resp: 133542

Ion Ratio Lower Upper

240 100

120 7.4 4.2 6.2#

236 26.4 20.0 30.0



#30

Pyrene

Concen: 1.472 ng

RT: 19.526 min Scan# 1800

Delta R.T. -0.020 min

Lab File: BN017659.D

Acq: 01 Dec 2021 20:15

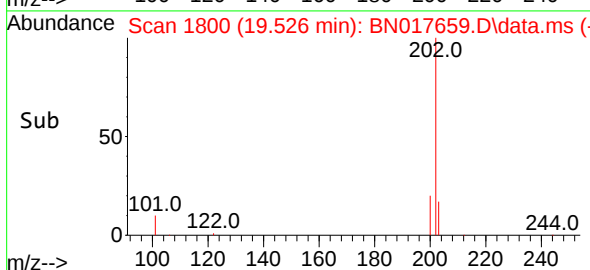
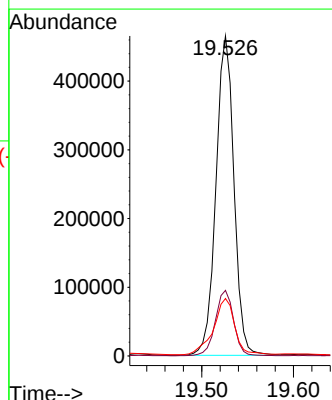
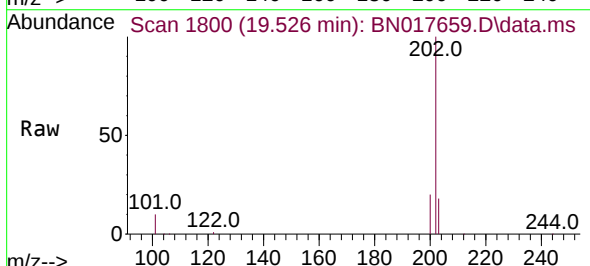
Tgt Ion:202 Resp: 634589

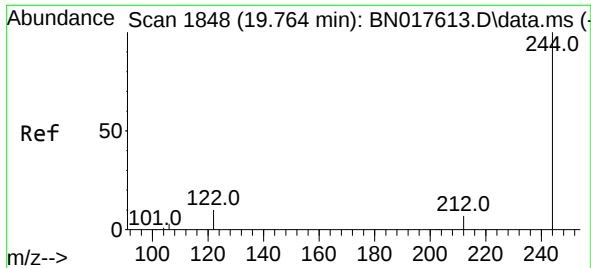
Ion Ratio Lower Upper

202 100

200 20.7 16.5 24.7

203 20.8 14.0 21.0

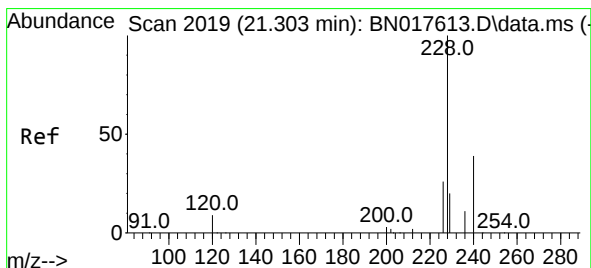
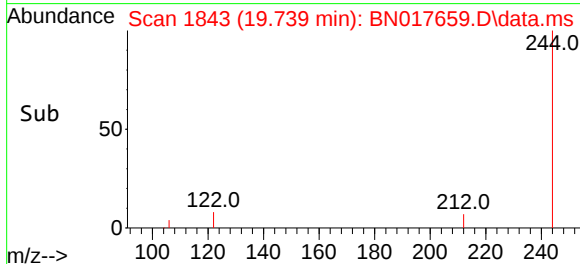
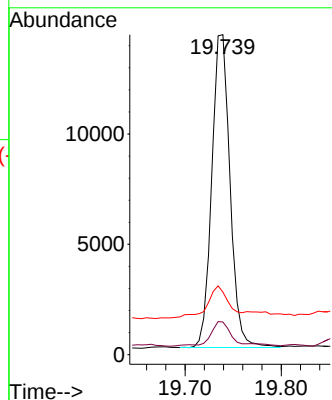
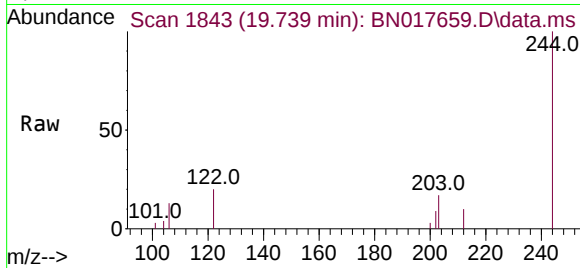




#31
 Terphenyl-d14
 Concen: 0.064 ng
 RT: 19.739 min Scan# 11
 Delta R.T. -0.015 min
 Lab File: BN017659.D
 Acq: 01 Dec 2021 20:15

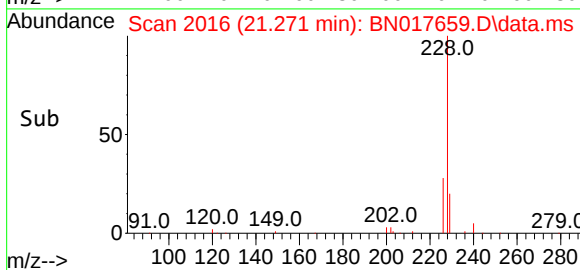
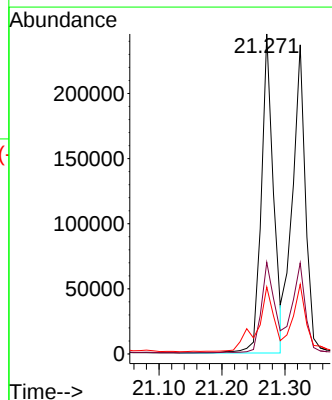
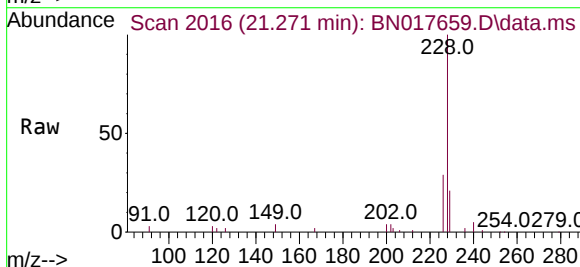
Instrument :
 BNA_N
 ClientSampleId :
 CS-5BDL

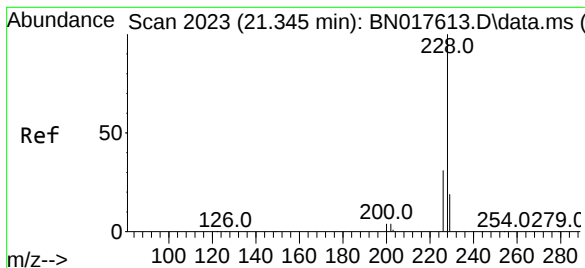
Tgt Ion:244 Resp: 18698
 Ion Ratio Lower Upper
 244 100
 212 10.2 5.7 8.5#
 122 19.5 8.6 13.0#



#32
 Benzo(a)anthracene
 Concen: 0.812 ng
 RT: 21.271 min Scan# 2016
 Delta R.T. -0.021 min
 Lab File: BN017659.D
 Acq: 01 Dec 2021 20:15

Tgt Ion:228 Resp: 329296
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.3 31.9
 229 21.0 15.7 23.5





#33

Chrysene

Concen: 0.756 ng

RT: 21.324 min Scan# 2011

Delta R.T. -0.011 min

Lab File: BN017659.D

Acq: 01 Dec 2021 20:15

Instrument :

BNA_N

ClientSampleId :

CS-5BDL

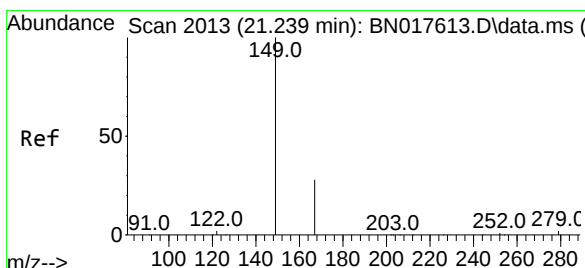
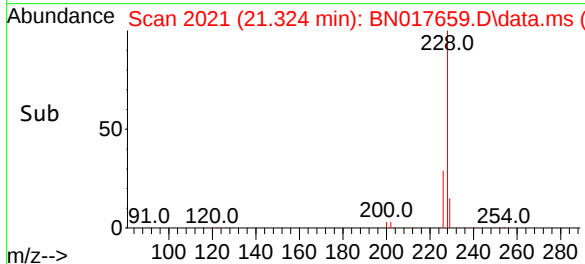
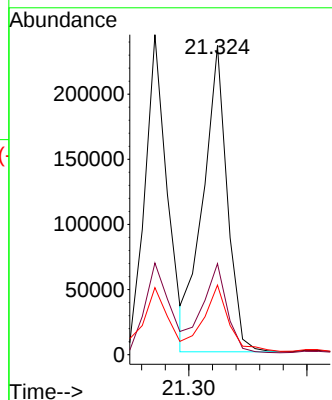
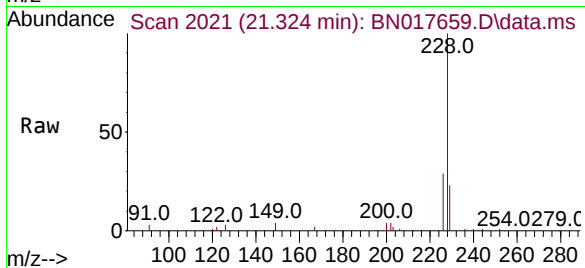
Tgt Ion:228 Resp: 333748

Ion Ratio Lower Upper

228 100

226 29.4 23.3 34.9

229 22.5 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.763 ng

RT: 21.218 min Scan# 2011

Delta R.T. -0.011 min

Lab File: BN017659.D

Acq: 01 Dec 2021 20:15

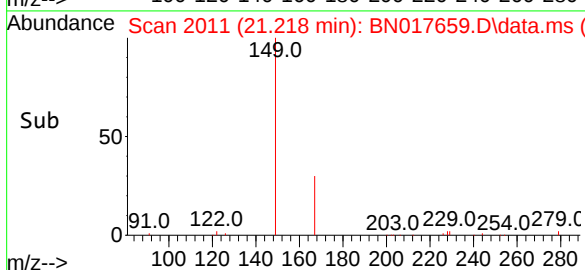
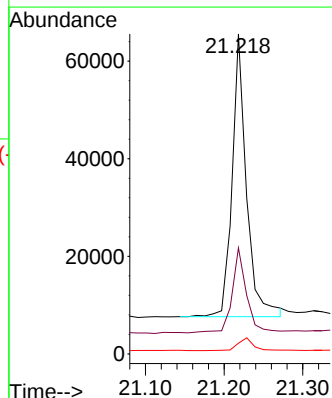
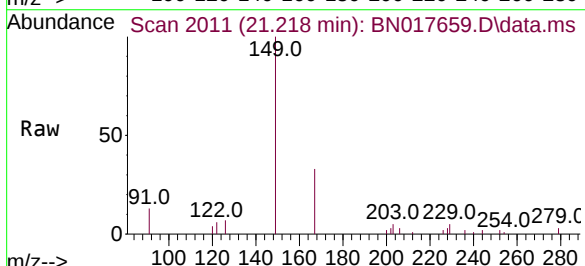
Tgt Ion:149 Resp: 73404

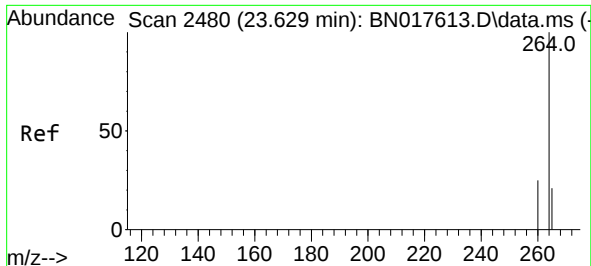
Ion Ratio Lower Upper

149 100

167 29.9 21.8 32.6

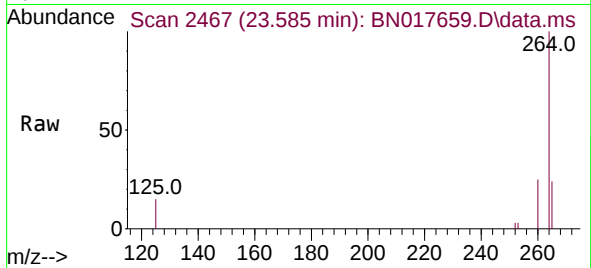
279 4.8 3.4 5.0



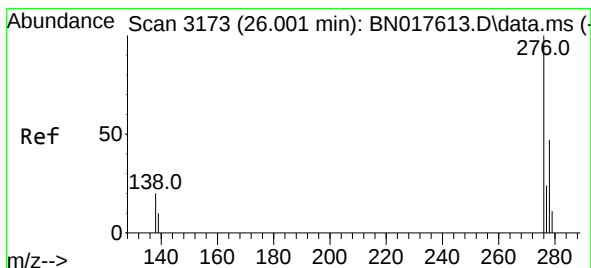
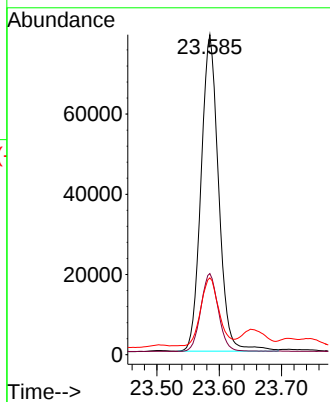
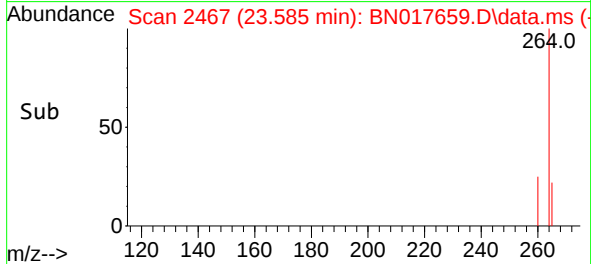


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.585 min Scan# 2480
 Delta R.T. -0.024 min
 Lab File: BN017659.D
 Acq: 01 Dec 2021 20:15

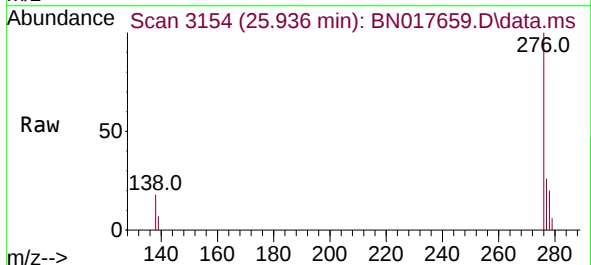
Instrument :
 BNA_N
 ClientSampleId :
 CS-5BDL



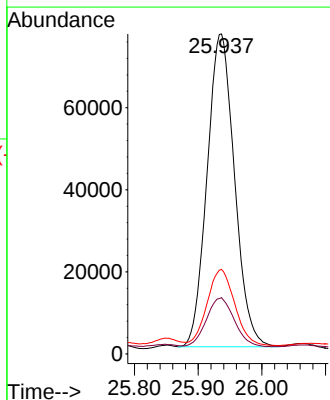
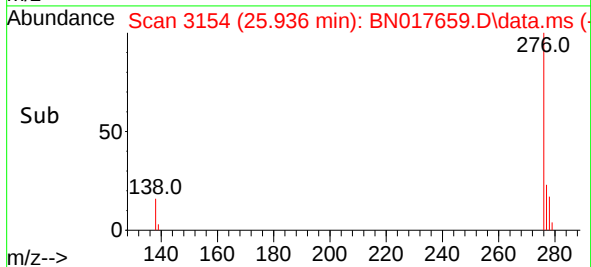
Tgt Ion:264 Resp: 154446
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.4 29.2
 265 24.0 18.6 28.0

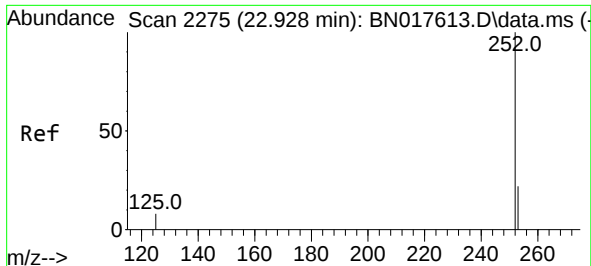


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.456 ng
 RT: 25.936 min Scan# 3154
 Delta R.T. -0.041 min
 Lab File: BN017659.D
 Acq: 01 Dec 2021 20:15



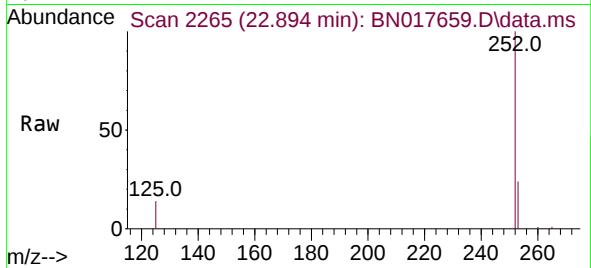
Tgt Ion:276 Resp: 228528
 Ion Ratio Lower Upper
 276 100
 138 15.8 19.7 29.5#
 277 24.4 20.0 30.0



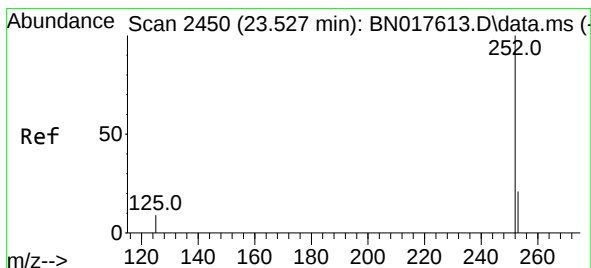
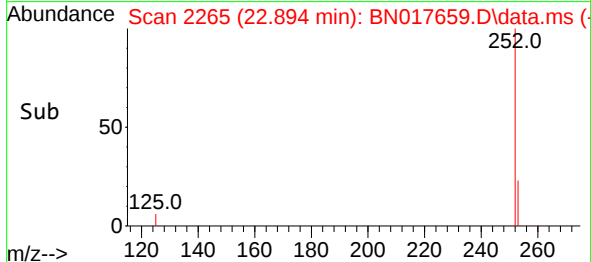
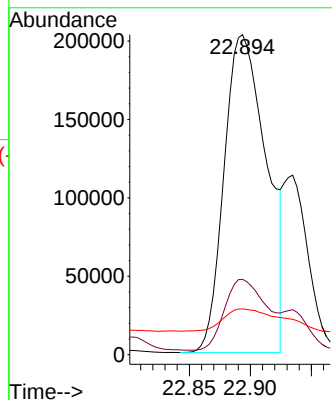


#37
Benzo(b)fluoranthene
Concen: 0.959 ng
RT: 22.894 min Scan# 21
Delta R.T. -0.020 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Instrument :
BNA_N
ClientSampleId :
CS-5BDL

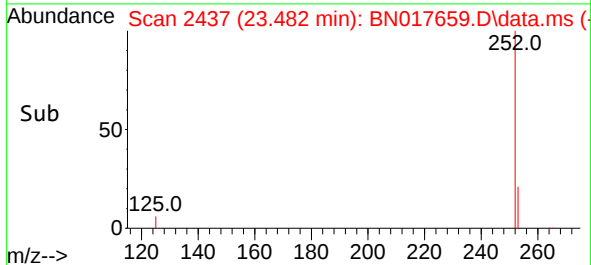
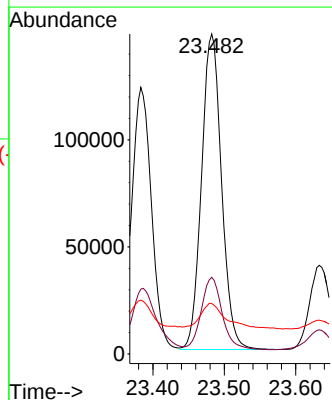
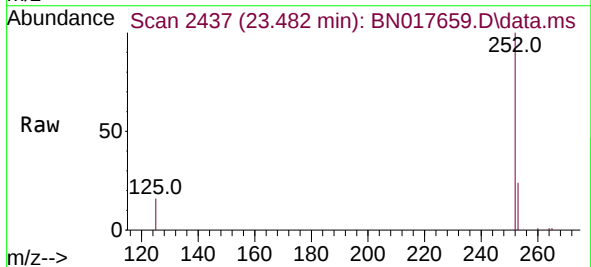


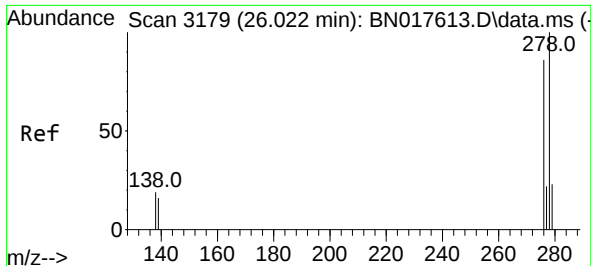
Tgt Ion:252 Resp: 491111
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 14.3 7.8 11.8#



#39
Benzo(a)pyrene
Concen: 0.626 ng
RT: 23.482 min Scan# 2437
Delta R.T. -0.024 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Tgt Ion:252 Resp: 286902
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 15.8 9.2 13.8#

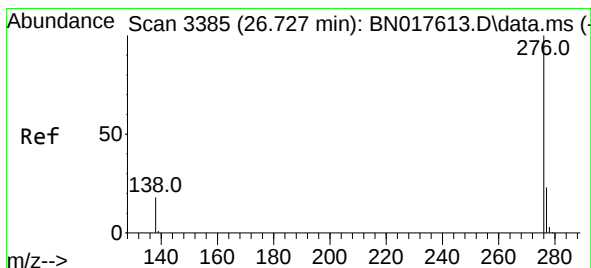
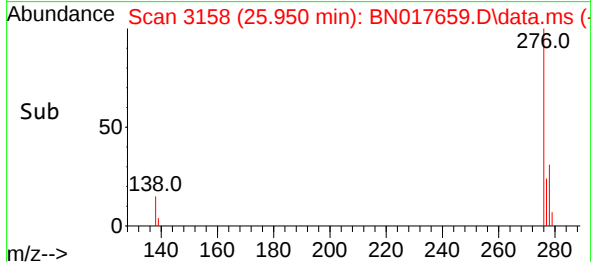
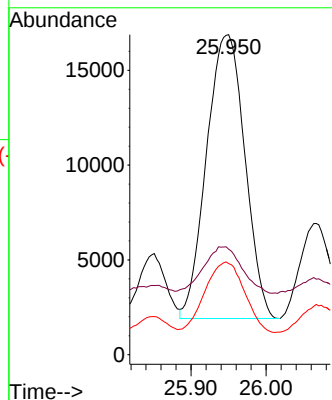
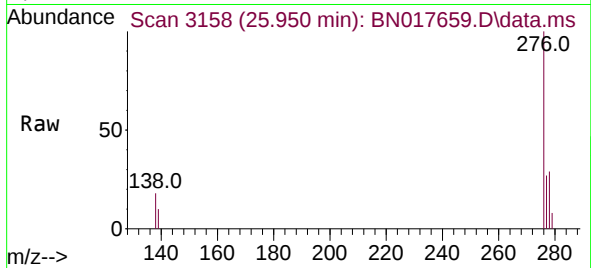




#40
Dibenzo(a,h)anthracene
Concen: 0.130 ng
RT: 25.950 min Scan# 3179
Delta R.T. -0.048 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Instrument :
BNA_N
ClientSampleId :
CS-5BDL

Tgt Ion:278 Resp: 53088
Ion Ratio Lower Upper
278 100
139 33.0 13.0 19.6#
279 28.5 19.2 28.8



#41
Benzo(g,h,i)perylene
Concen: 0.516 ng
RT: 26.659 min Scan# 3365
Delta R.T. -0.038 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Tgt Ion:276 Resp: 217633
Ion Ratio Lower Upper
276 100
277 26.2 19.0 28.4
138 17.9 17.1 25.7

