

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017658.D
 Acq On : 01 Dec 2021 19:39
 Operator : CG/JU
 Sample : M4862-10DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-5ADL

Quant Time: Dec 01 20:08:55 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)

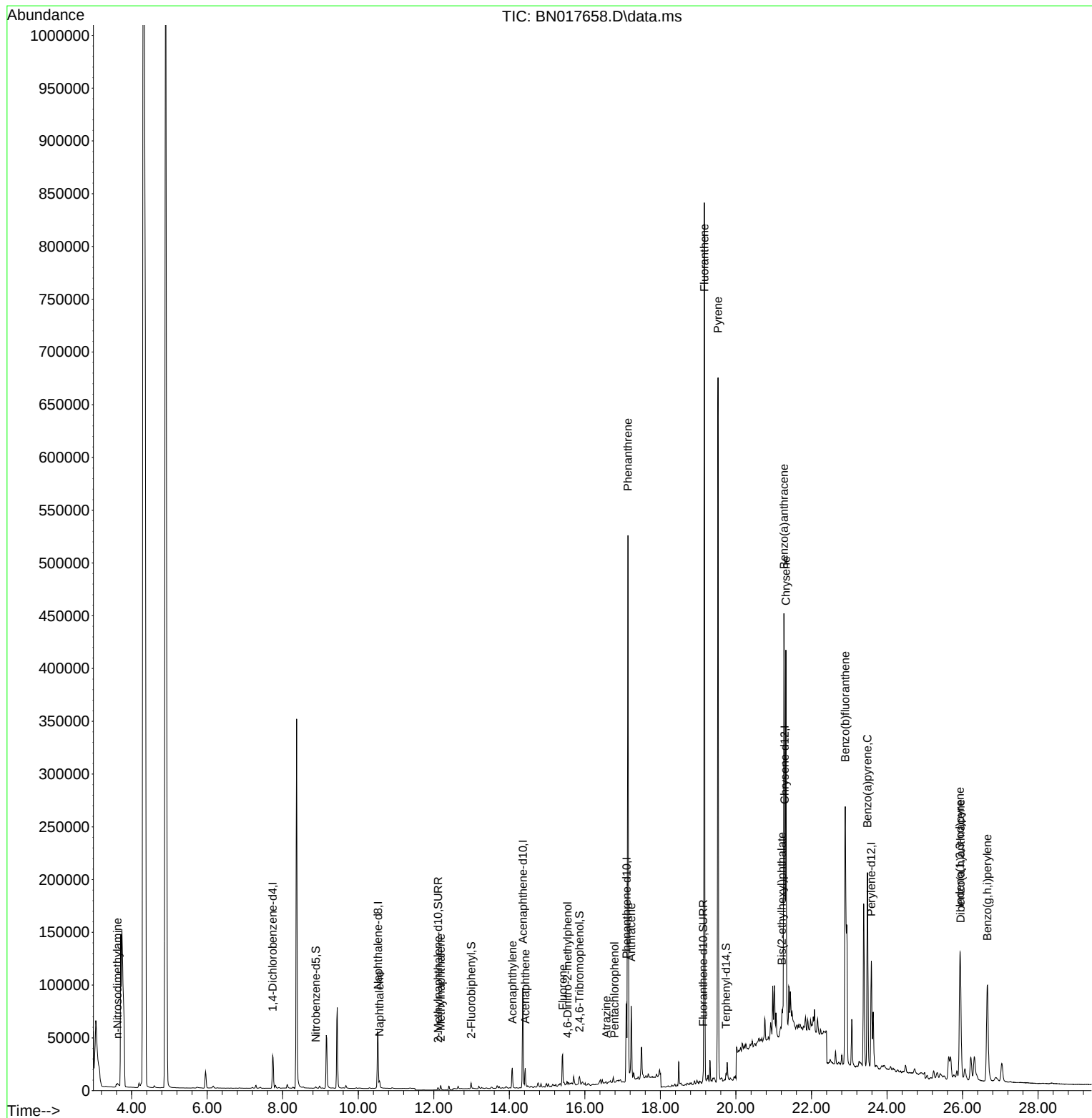
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.736	152	20343	0.400	ng	-0.04
7) Naphthalene-d8	10.522	136	85960	0.400	ng	-0.03
13) Acenaphthene-d10	14.359	164	56036	0.400	ng	-0.03
19) Phenanthrene-d10	17.104	188	119839	0.400	ng	-0.01
29) Chrysene-d12	21.293	240	121161	0.400	ng	#-0.01
35) Perylene-d12	23.585	264	138178	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.357	112	56	0.001	ng	-0.02
5) Phenol-d6	6.915	99	74	0.002	ng	-0.03
8) Nitrobenzene-d5	8.875	82	1221	0.033	ng	-0.04
11) 2-Methylnaphthalene-d10	12.111	152	3726	0.025	ng	-0.03
14) 2,4,6-Tribromophenol	15.856	330	24	0.126	ng	-0.01
15) 2-Fluorobiphenyl	12.989	172	5357	0.025	ng	-0.03
27) Fluoranthene-d10	19.134	212	10246	0.027	ng	-0.02
31) Terphenyl-d14	19.740	244	7667	0.029	ng	-0.01
Target Compounds					Qvalue	
3) n-Nitrosodimethylamine	3.624	42	2564	0.134	ng	# 1
9) Naphthalene	10.560	128	8035	0.037	ng	96
12) 2-Methylnaphthalene	12.182	142	3504	0.024	ng	# 93
16) Acenaphthylene	14.080	152	23999	0.110	ng	98
17) Acenaphthene	14.423	154	9457	0.063	ng	98
18) Fluorene	15.412	166	25023	0.136	ng	# 96
20) 4,6-Dinitro-2-methylph...	15.539	198	62	0.068	ng	# 1
23) Atrazine	16.569	200	178	0.134	ng	# 1
24) Pentachlorophenol	16.788	266	15	0.193	ng	# 46
25) Phenanthrene	17.141	178	543954	1.655	ng	100
26) Anthracene	17.226	178	87396	0.309	ng	# 94
28) Fluoranthene	19.164	202	781943	2.102	ng	# 97
30) Pyrene	19.526	202	638390	1.632	ng	97
32) Benzo(a)anthracene	21.271	228	323159	0.878	ng	97
33) Chrysene	21.325	228	321559	0.803	ng	97
34) Bis(2-ethylhexyl)phtha...	21.218	149	23710	0.272	ng	91
36) Indeno(1,2,3-cd)pyrene	25.933	276	214470	0.478	ng	# 91
37) Benzo(b)fluoranthene	22.894	252	446312	0.974	ng	# 93
39) Benzo(a)pyrene	23.483	252	272497	0.664	ng	# 94
40) Dibenzo(a,h)anthracene	25.947	278	50604	0.138	ng	# 76
41) Benzo(g,h,i)perylene	26.659	276	210189	0.557	ng	94

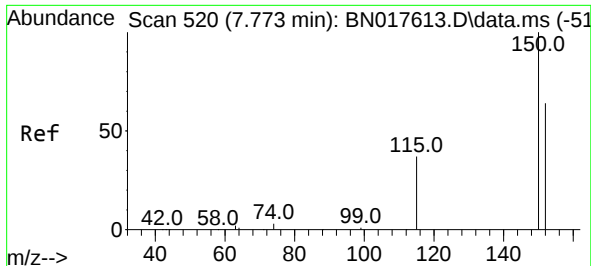
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 01 18:24:35 2021
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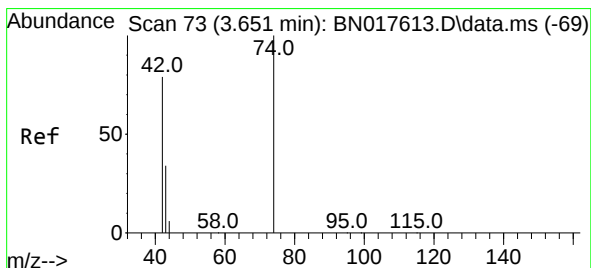
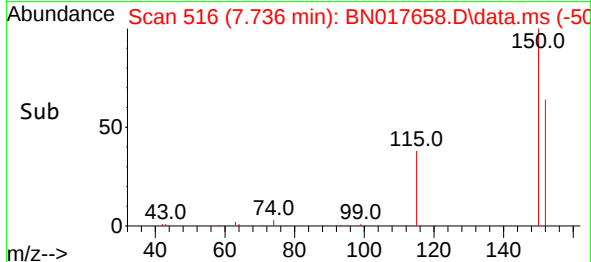
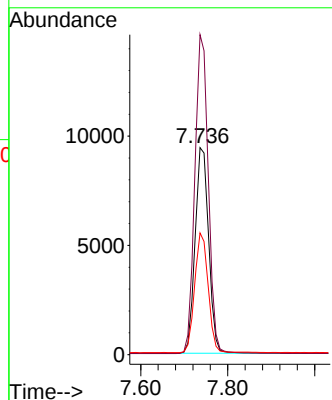
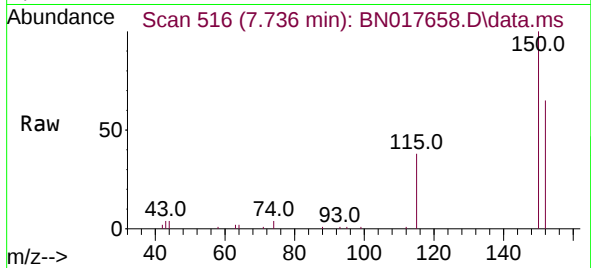




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 51
Delta R.T. -0.037 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

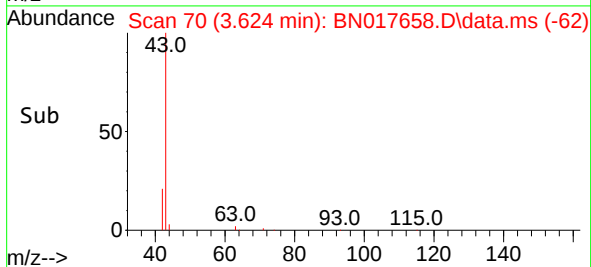
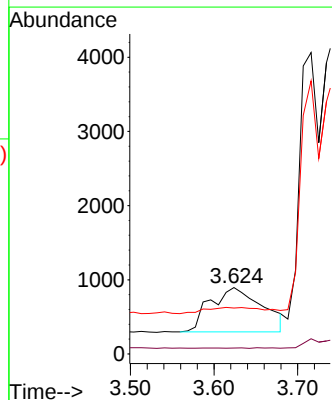
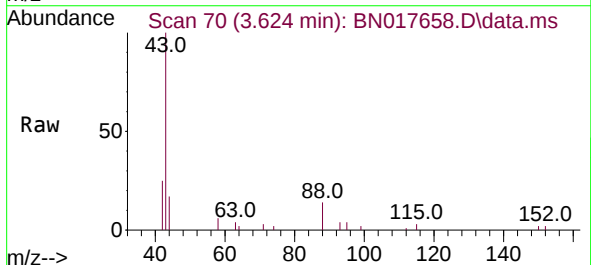
Instrument :
BNA_N
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CS-5ADL

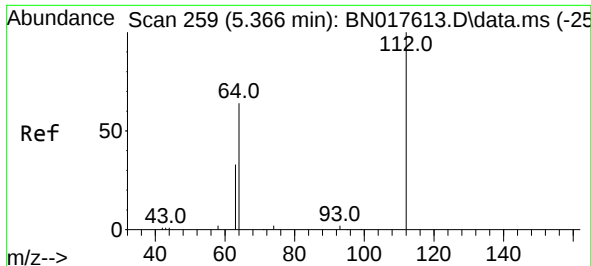
Tgt Ion:152 Resp: 20343
Ion Ratio Lower Upper
152 100
150 154.6 123.0 184.4
115 58.8 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.134 ng
RT: 3.624 min Scan# 70
Delta R.T. -0.027 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

Tgt Ion: 42 Resp: 2564
Ion Ratio Lower Upper
42 100
74 0.2 97.8 146.6#
44 16.7 5.5 8.3#

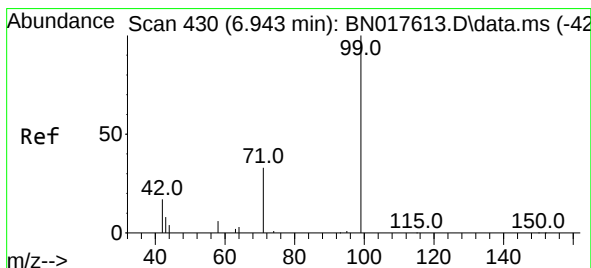
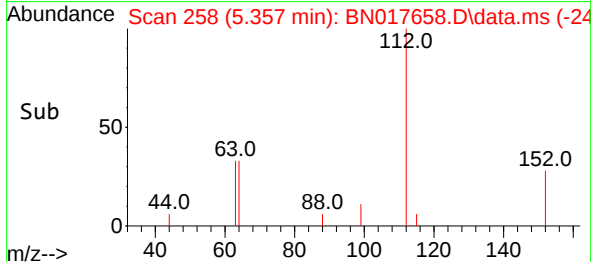
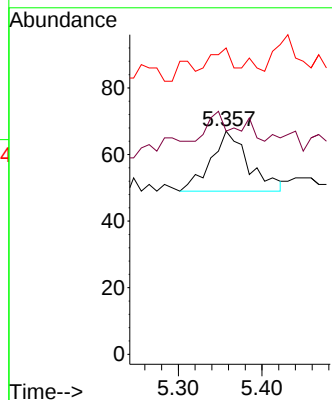
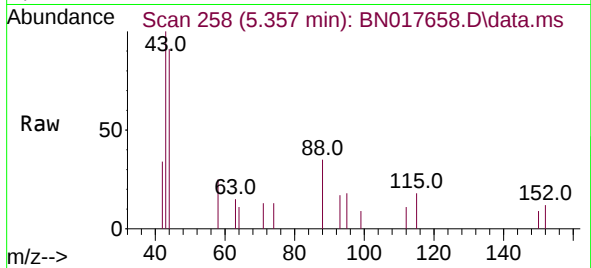




#4
2-Fluorophenol
Concen: 0.001 ng
RT: 5.357 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

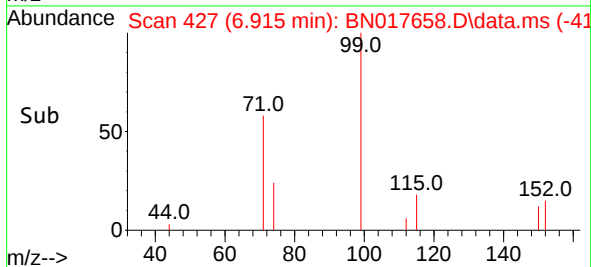
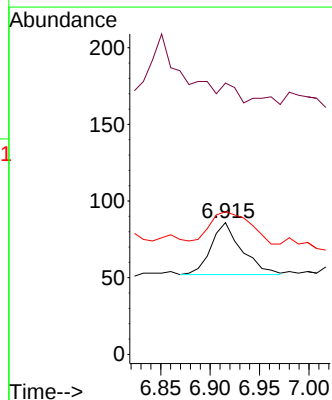
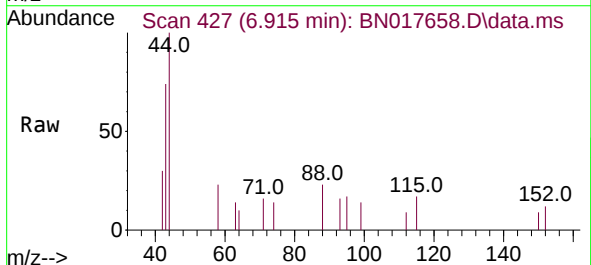
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ClientSampleId :
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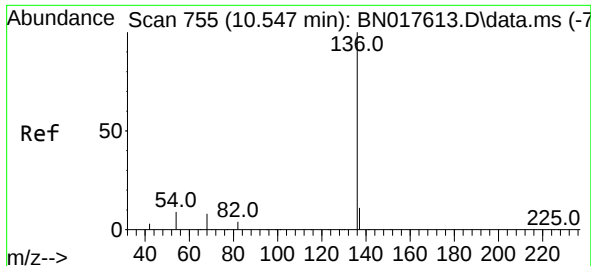
Tgt Ion:112 Resp: 56
Ion Ratio Lower Upper
112 100
64 26.8 47.6 71.4#
63 28.6 24.6 37.0



#5
Phenol-d6
Concen: 0.002 ng
RT: 6.915 min Scan# 427
Delta R.T. -0.027 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

Tgt Ion: 99 Resp: 74
Ion Ratio Lower Upper
99 100
42 0.0 17.0 25.6#
71 79.7 24.8 37.2#

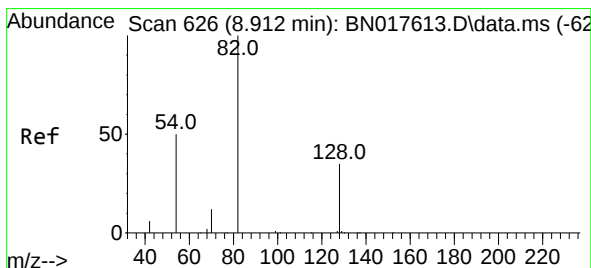
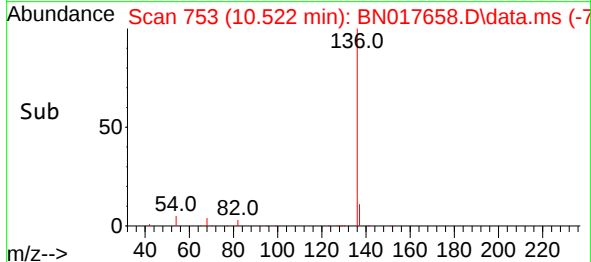
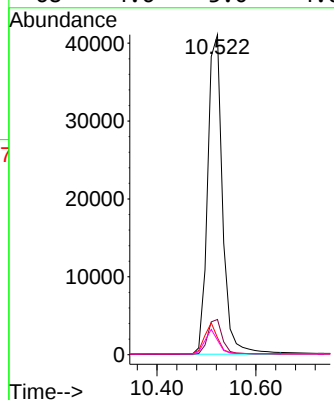
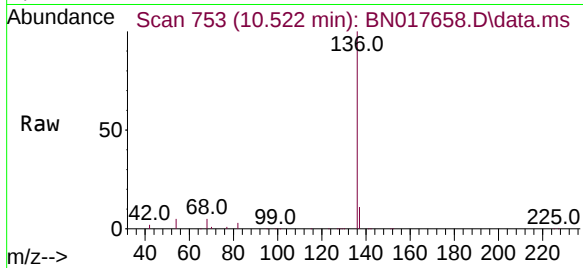




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.522 min Scan# 71
Delta R.T. -0.025 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

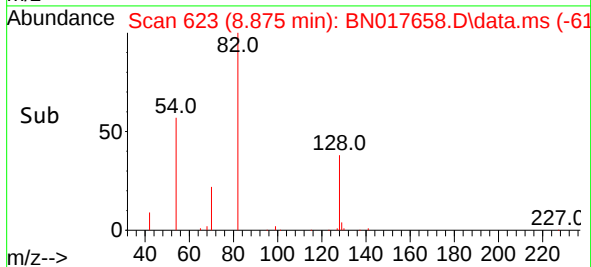
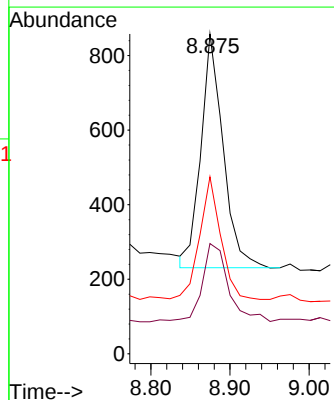
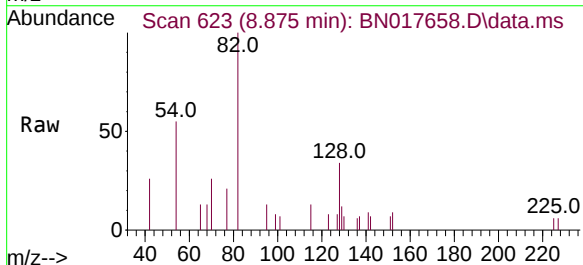
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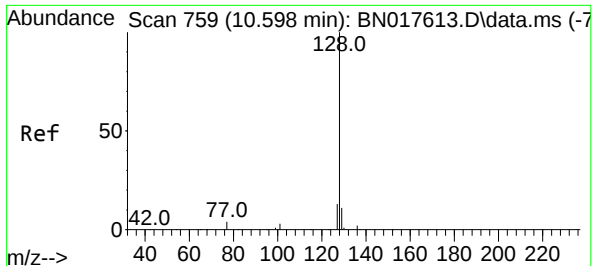
Tgt Ion:136 Resp: 85960
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 5.3 4.0 6.0
68 4.6 3.0 4.6



#8
Nitrobenzene-d5
Concen: 0.033 ng
RT: 8.875 min Scan# 623
Delta R.T. -0.038 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

Tgt Ion: 82 Resp: 1221
Ion Ratio Lower Upper
82 100
128 34.5 27.7 41.5
54 55.4 49.2 73.8

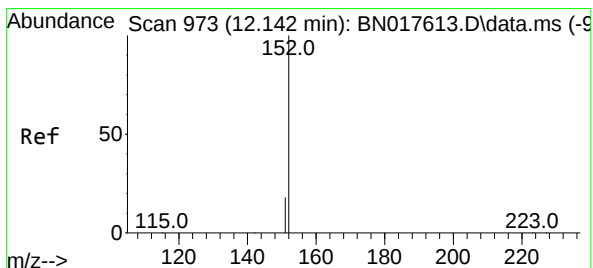
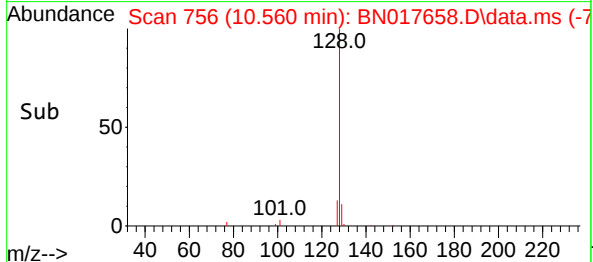
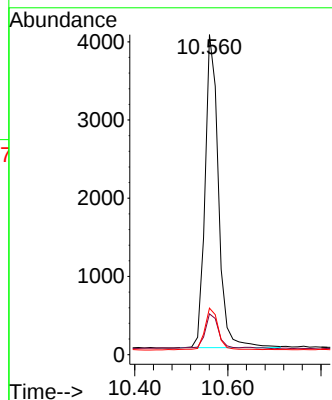
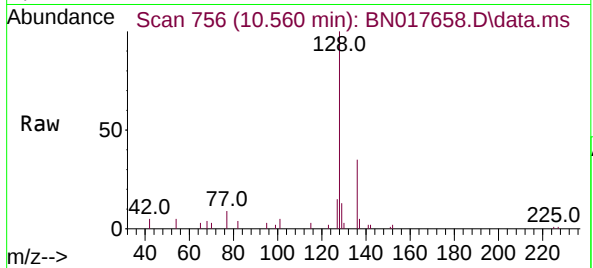




#9
Naphthalene
Concen: 0.037 ng
RT: 10.560 min Scan# 71
Delta R.T. -0.038 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

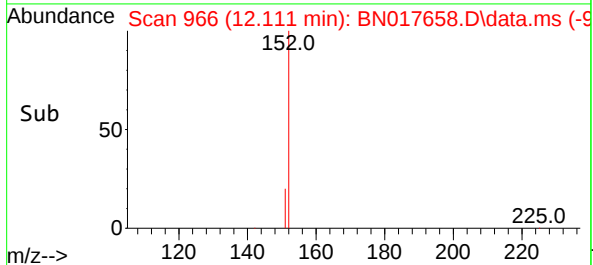
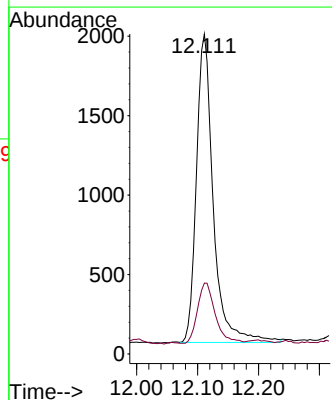
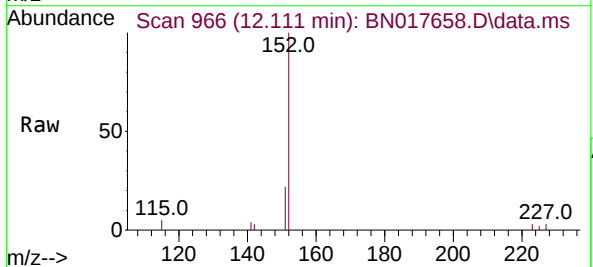
Instrument :
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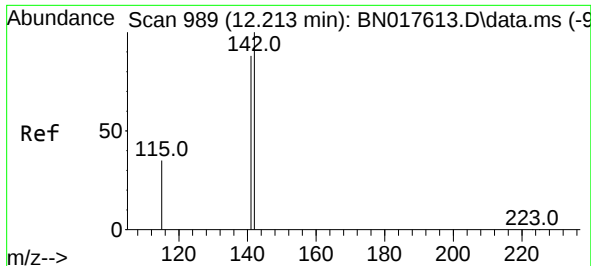
Tgt Ion:128 Resp: 8035
Ion Ratio Lower Upper
128 100
129 12.7 8.8 13.2
127 14.5 10.6 15.8



#11
2-Methylnaphthalene-d10
Concen: 0.025 ng
RT: 12.111 min Scan# 966
Delta R.T. -0.026 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

Tgt Ion:152 Resp: 3726
Ion Ratio Lower Upper
152 100
151 21.3 16.2 24.4

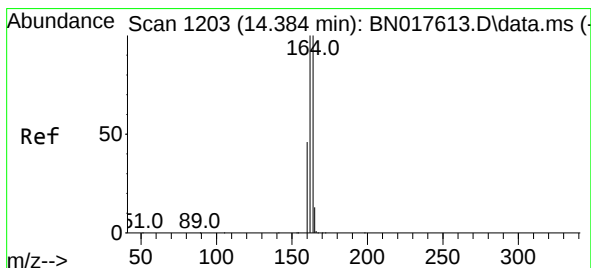
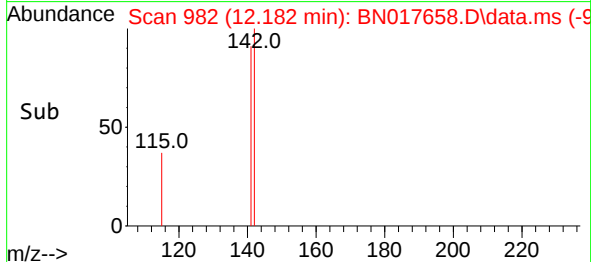
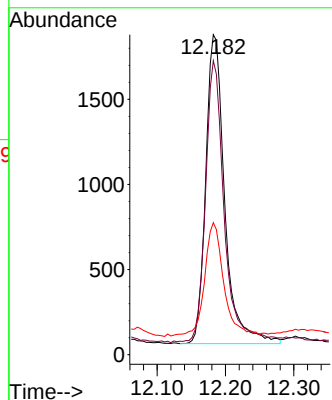
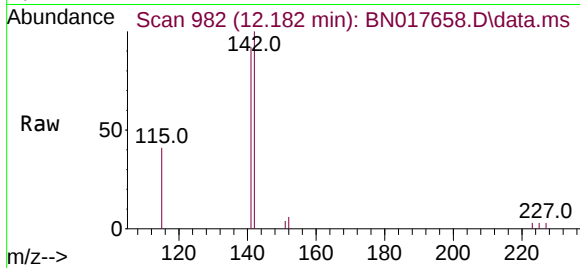




#12
2-Methylnaphthalene
Concen: 0.024 ng
RT: 12.182 min Scan# 91
Delta R.T. -0.031 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

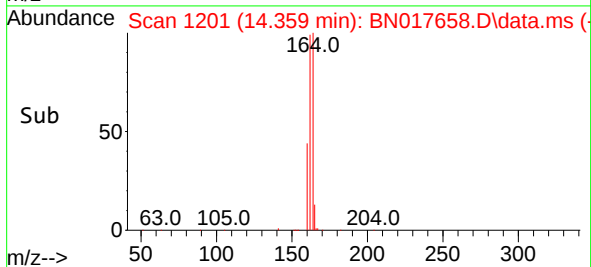
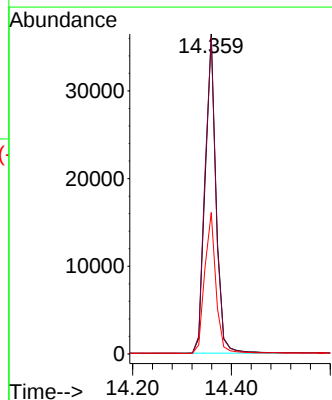
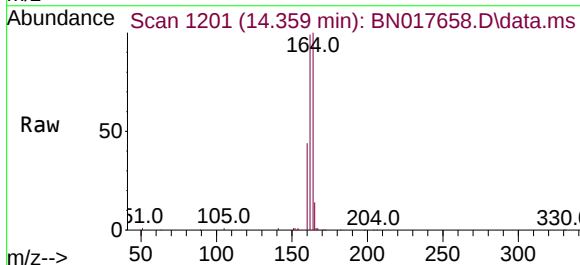
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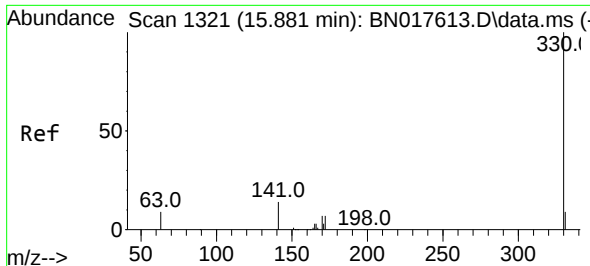
Tgt Ion:142 Resp: 3504
Ion Ratio Lower Upper
142 100
141 91.9 70.6 106.0
115 41.3 25.8 38.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.359 min Scan# 1201
Delta R.T. -0.025 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

Tgt Ion:164 Resp: 56036
Ion Ratio Lower Upper
164 100
162 99.1 81.4 122.2
160 44.2 36.8 55.2

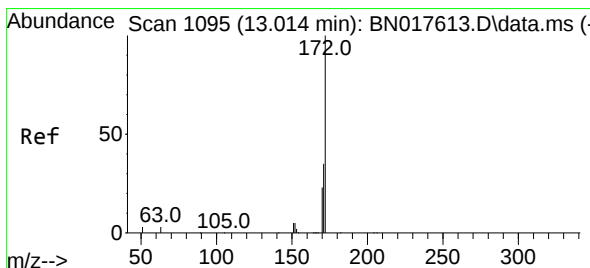
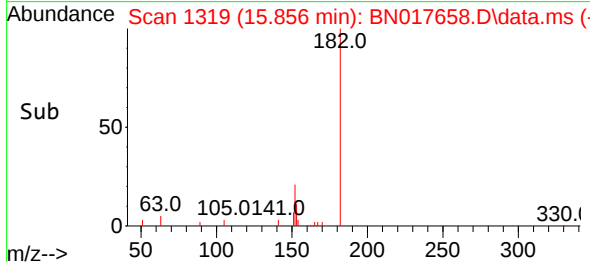
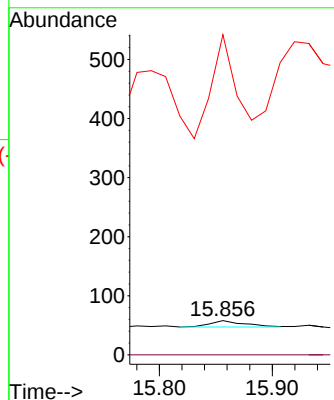
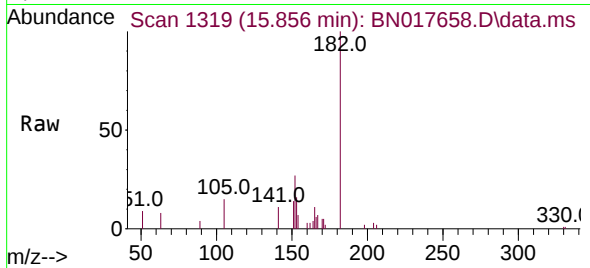




#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.856 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

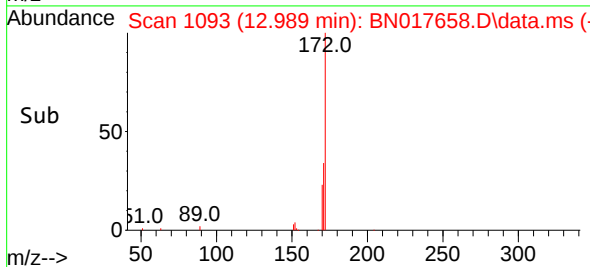
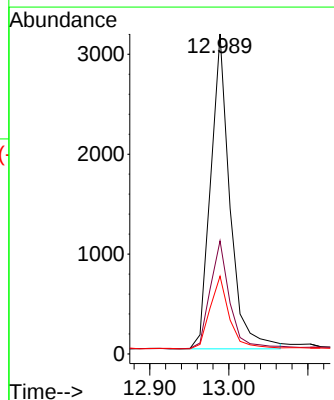
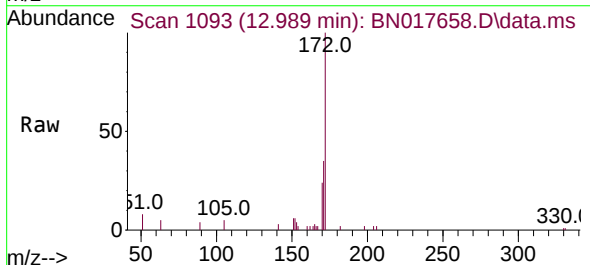
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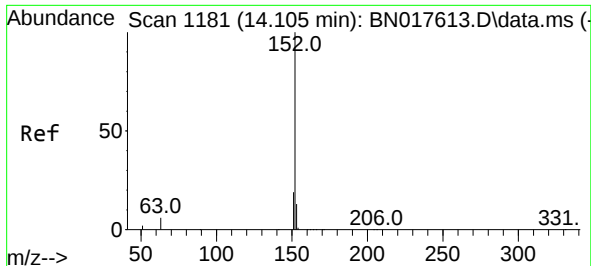
Tgt Ion:330 Resp: 24
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 1100.0 28.9 43.3#



#15
2-Fluorobiphenyl
Concen: 0.025 ng
RT: 12.989 min Scan# 1093
Delta R.T. -0.025 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

Tgt Ion:172 Resp: 5357
Ion Ratio Lower Upper
172 100
171 35.3 28.7 43.1
170 24.3 19.4 29.2

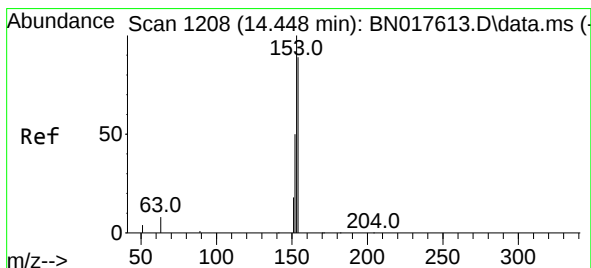
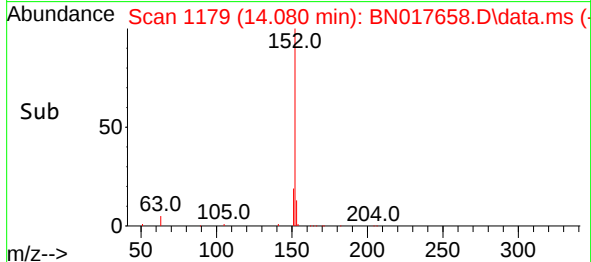
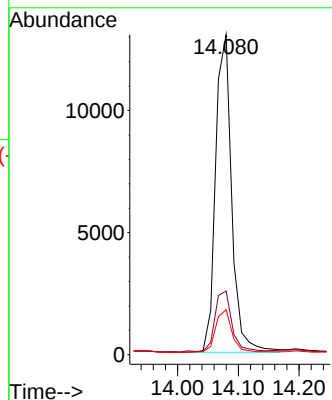
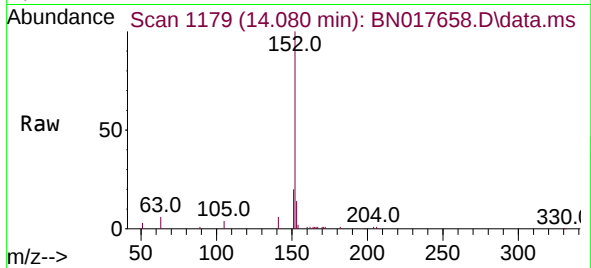




#16
Acenaphthylene
Concen: 0.110 ng
RT: 14.080 min Scan# 1179
Delta R.T. -0.025 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

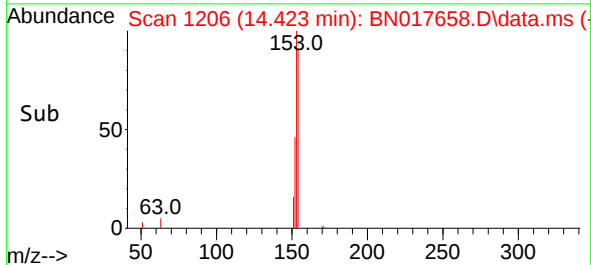
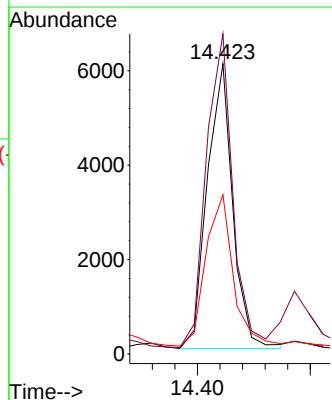
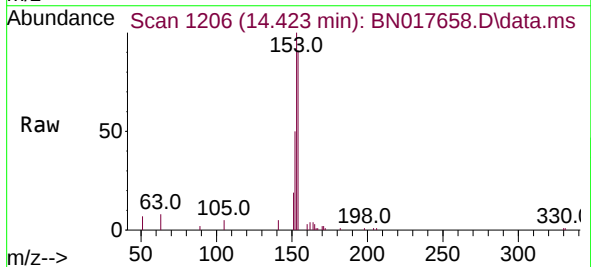
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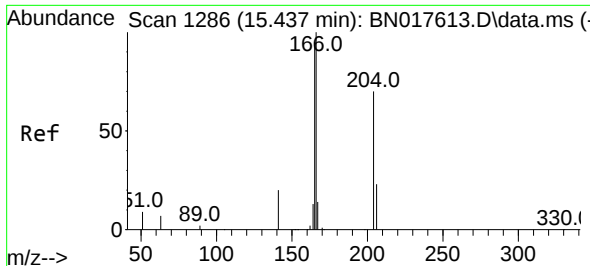
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Ion Ratio Lower Upper
152 100
151 20.3 15.5 23.3
153 13.8 10.4 15.6



#17
Acenaphthene
Concen: 0.063 ng
RT: 14.423 min Scan# 1206
Delta R.T. -0.025 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

Tgt Ion:154 Resp: 9457
Ion Ratio Lower Upper
154 100
153 113.2 91.2 136.8
152 58.7 44.3 66.5

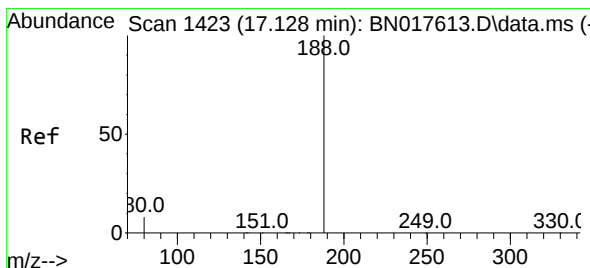
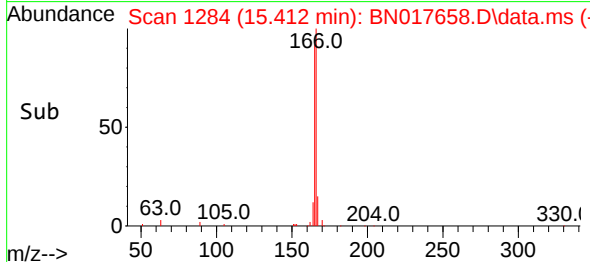
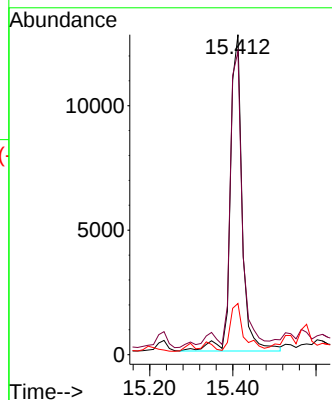
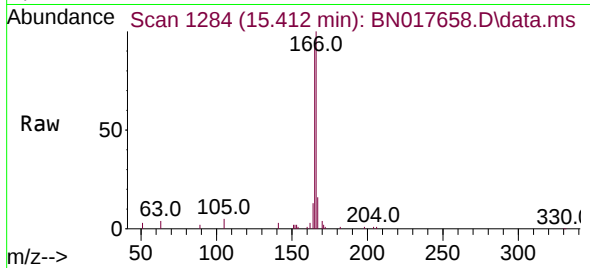




#18
Fluorene
Concen: 0.136 ng
RT: 15.412 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

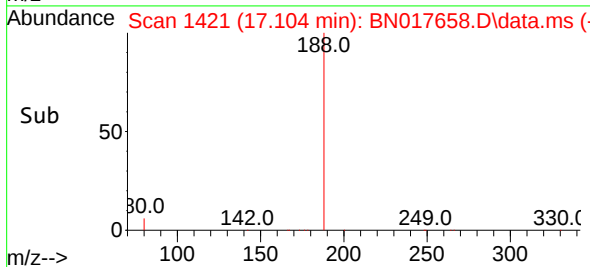
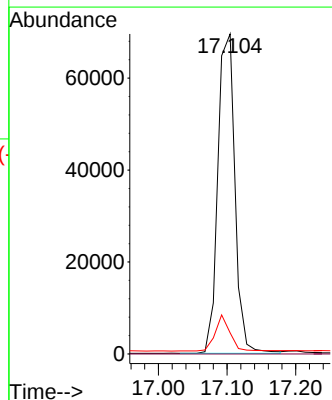
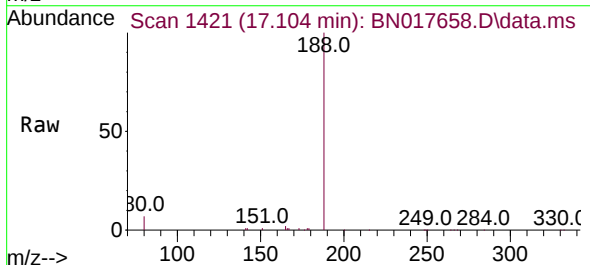
Instrument :
BNA_N
ClientSampleId :
CS-5ADL

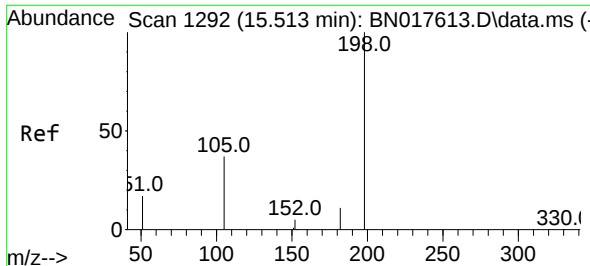
Tgt Ion:166 Resp: 25023
Ion Ratio Lower Upper
166 100
165 100.7 77.9 116.9
167 16.5 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.104 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

Tgt Ion:188 Resp: 119839
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.6 6.1 9.1

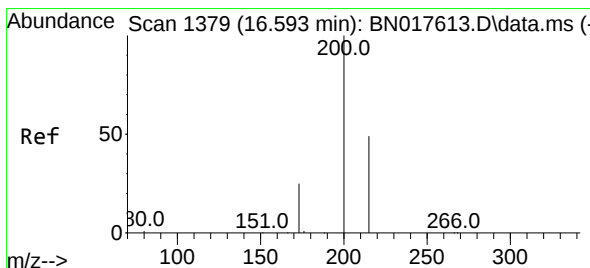
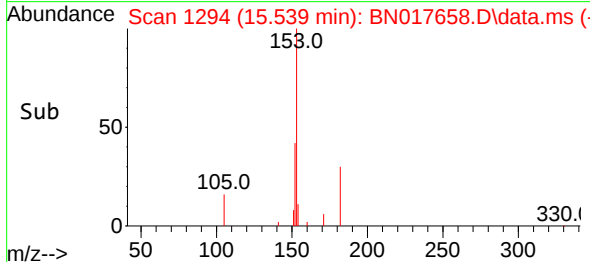
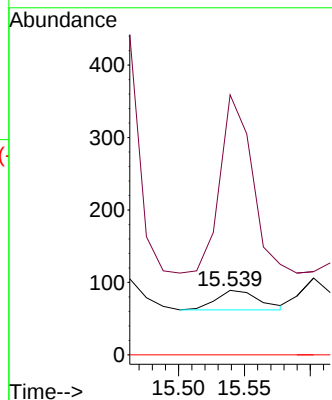
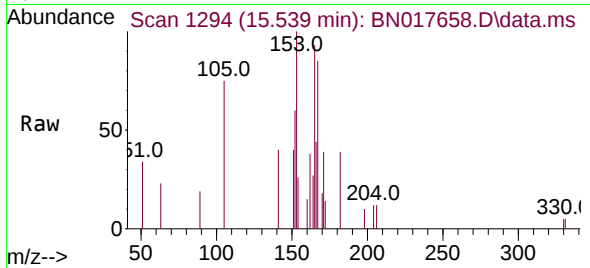




#20
4,6-Dinitro-2-methylphenol
Concen: 0.068 ng
RT: 15.539 min Scan# 11
Delta R.T. 0.026 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

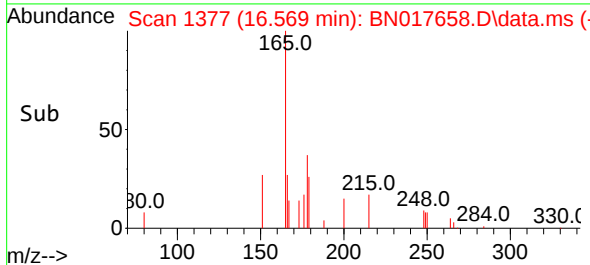
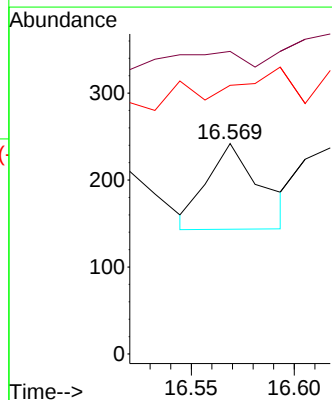
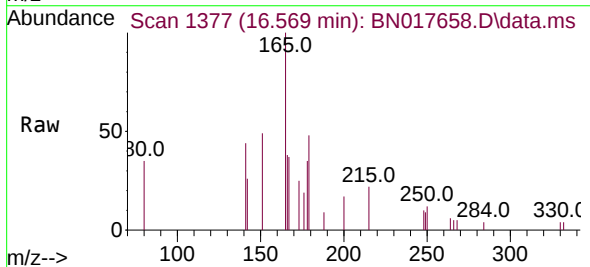
Instrument :
BNA_N
ClientSampleId :
CS-5ADL

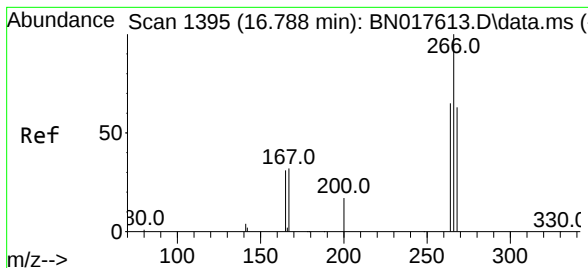
Tgt Ion:198 Resp: 62
Ion Ratio Lower Upper
198 100
182 403.4 11.4 17.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.134 ng
RT: 16.569 min Scan# 1377
Delta R.T. -0.024 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

Tgt Ion:200 Resp: 178
Ion Ratio Lower Upper
200 100
173 143.8 17.6 26.4#
215 127.7 40.2 60.4#





#24

Pentachlorophenol

Concen: 0.193 ng

RT: 16.788 min Scan# 11

Delta R.T. 0.012 min

Lab File: BN017658.D

Acq: 01 Dec 2021 19:39

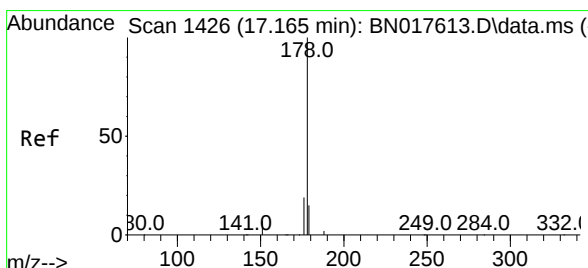
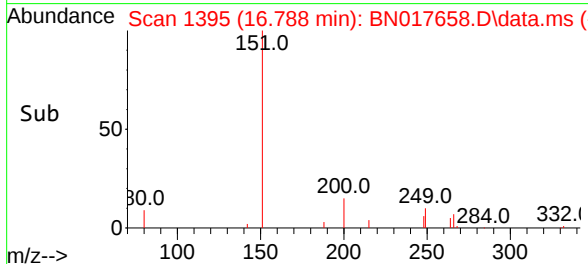
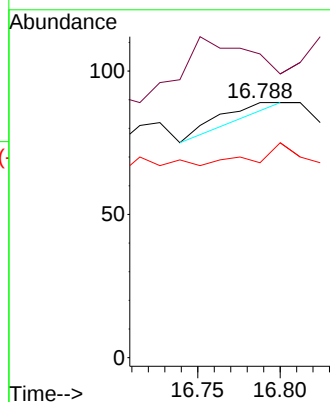
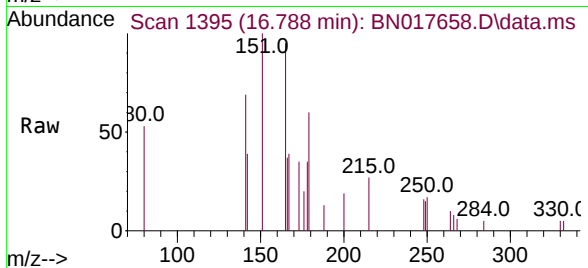
Instrument :

BNA_N

ClientSampleId :

CS-5ADL

Tgt Ion:	266	Resp:	15
Ion	Ratio	Lower	Upper
266	100		
264	0.0	49.8	74.8#
268	86.7	51.3	76.9#



#25

Phenanthrene

Concen: 1.655 ng

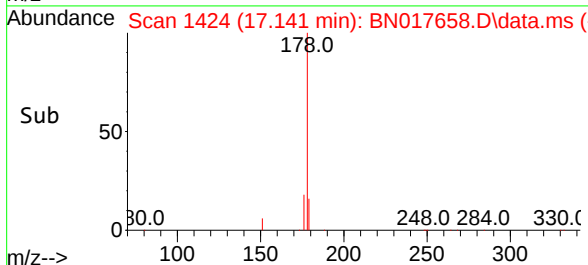
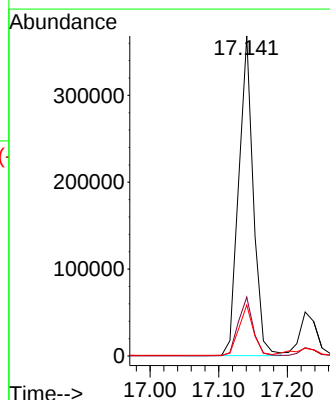
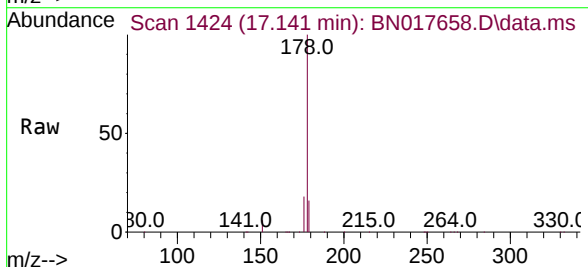
RT: 17.141 min Scan# 1424

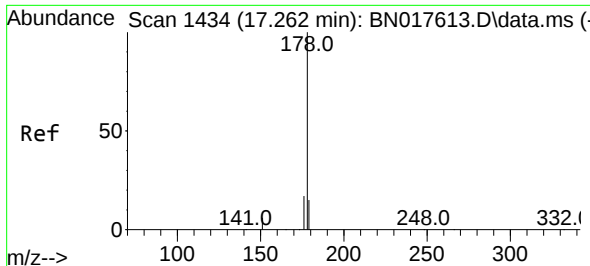
Delta R.T. -0.024 min

Lab File: BN017658.D

Acq: 01 Dec 2021 19:39

Tgt Ion:	178	Resp:	543954
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.6	12.3	18.5

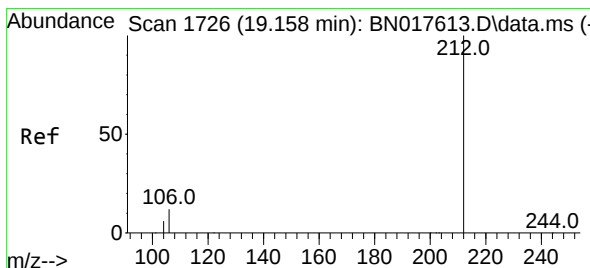
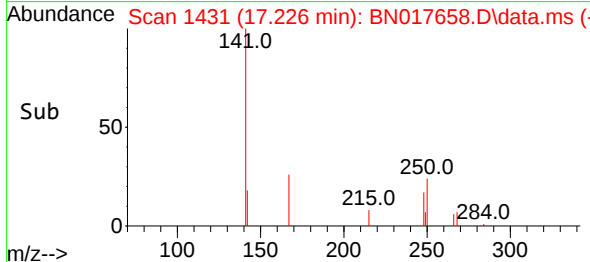
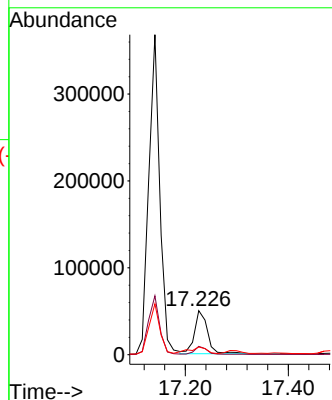
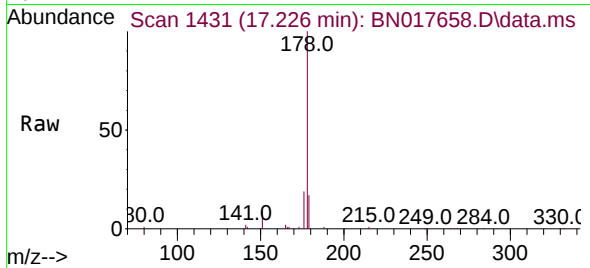




#26
 Anthracene
 Concen: 0.309 ng
 RT: 17.226 min Scan# 1434
 Delta R.T. -0.024 min
 Lab File: BN017658.D
 Acq: 01 Dec 2021 19:39

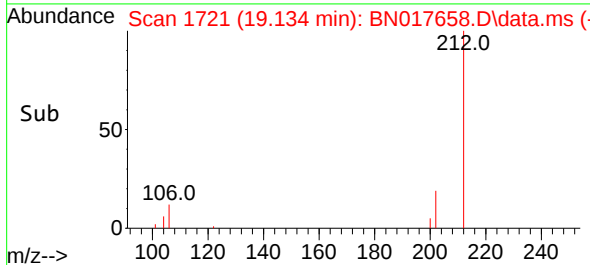
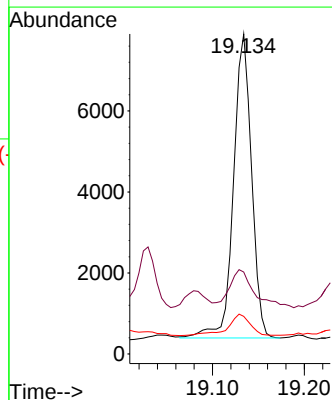
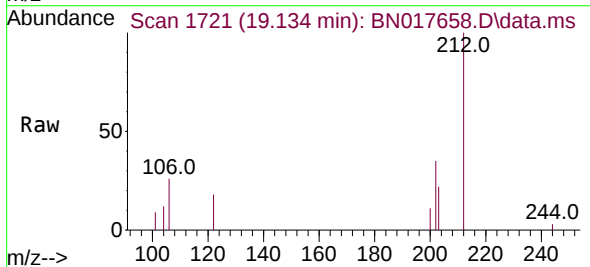
Instrument :
 BNA_N
 ClientSampleId :
 CS-5ADL

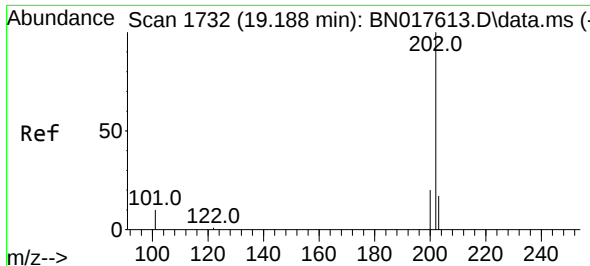
Tgt Ion:178 Resp: 87396
 Ion Ratio Lower Upper
 178 100
 176 17.4 14.6 22.0
 179 20.0 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.027 ng
 RT: 19.134 min Scan# 1721
 Delta R.T. -0.020 min
 Lab File: BN017658.D
 Acq: 01 Dec 2021 19:39

Tgt Ion:212 Resp: 10246
 Ion Ratio Lower Upper
 212 100
 106 17.3 10.5 15.7#
 104 8.7 5.8 8.6#

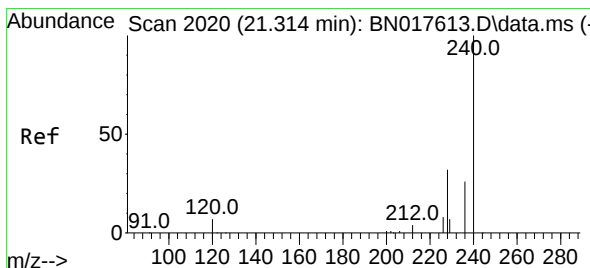
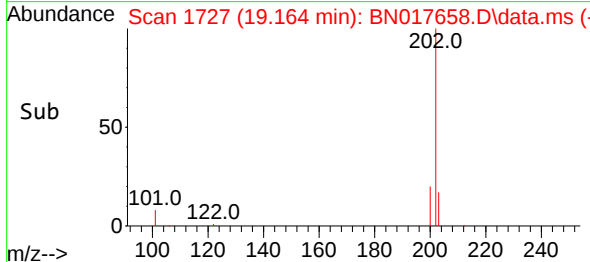
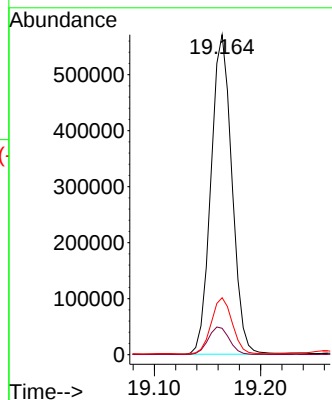
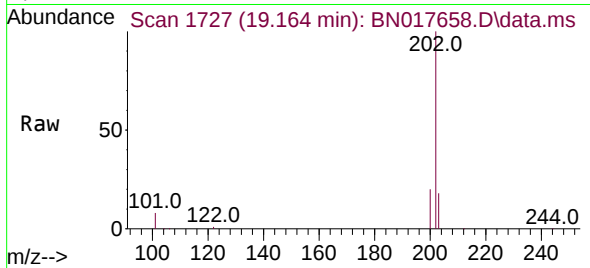




#28
Fluoranthene
Concen: 2.102 ng
RT: 19.164 min Scan# 11
Delta R.T. -0.020 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

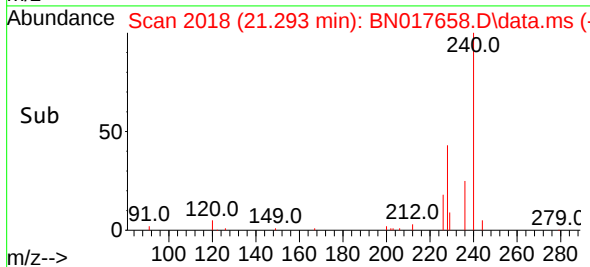
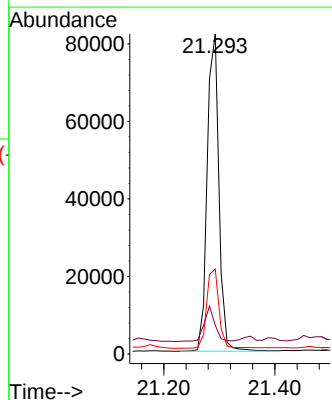
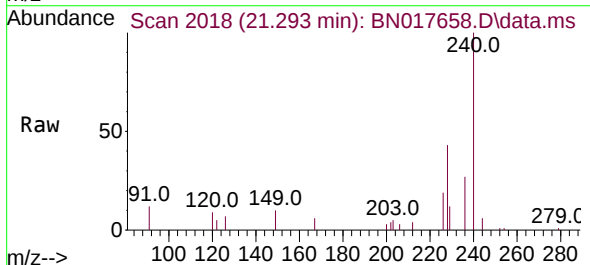
Instrument :
BNA_N
ClientSampleId :
CS-5ADL

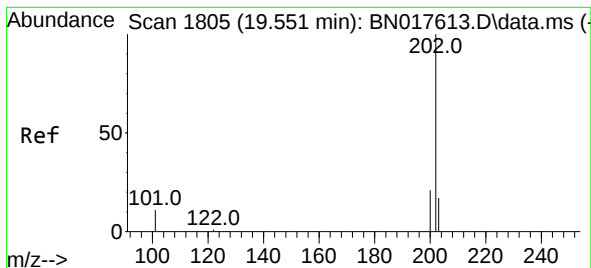
Tgt Ion:202 Resp: 781943
Ion Ratio Lower Upper
202 100
101 8.7 8.9 13.3#
203 17.5 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.293 min Scan# 2018
Delta R.T. -0.010 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

Tgt Ion:240 Resp: 121161
Ion Ratio Lower Upper
240 100
120 8.9 4.2 6.2#
236 26.6 20.0 30.0





#30

Pyrene

Concen: 1.632 ng

RT: 19.526 min Scan# 1800

Delta R.T. -0.020 min

Lab File: BN017658.D

Acq: 01 Dec 2021 19:39

Instrument :

BNA_N

ClientSampleId :

CS-5ADL

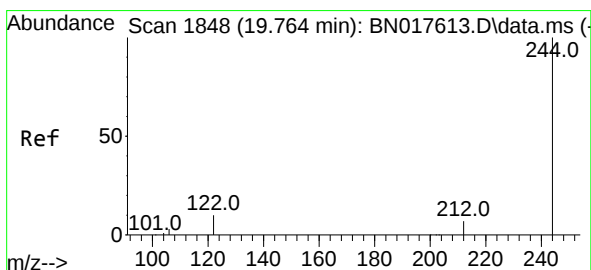
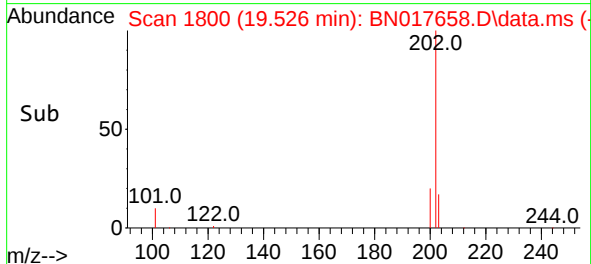
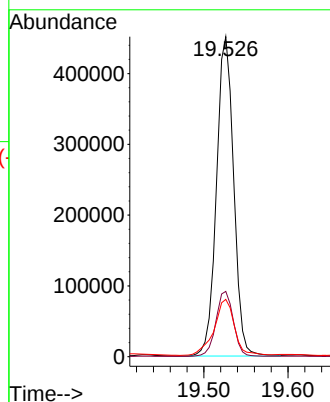
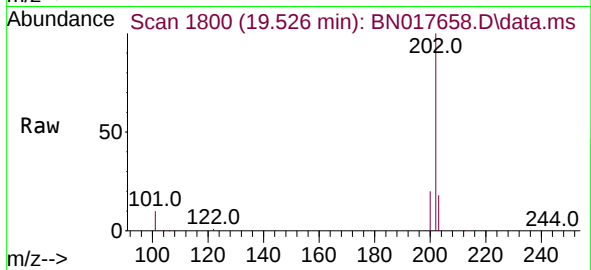
Tgt Ion:202 Resp: 638390

Ion Ratio Lower Upper

202 100

200 20.7 16.5 24.7

203 20.6 14.0 21.0



#31

Terphenyl-d14

Concen: 0.029 ng

RT: 19.740 min Scan# 1843

Delta R.T. -0.015 min

Lab File: BN017658.D

Acq: 01 Dec 2021 19:39

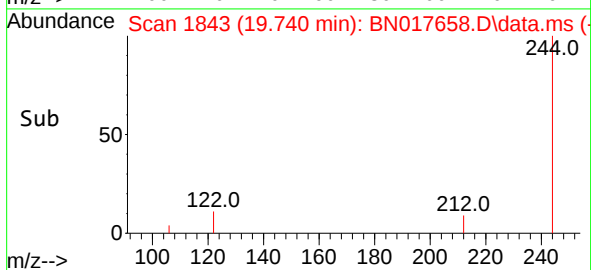
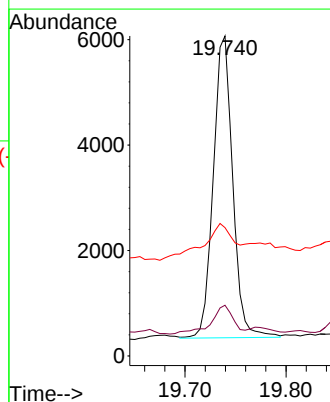
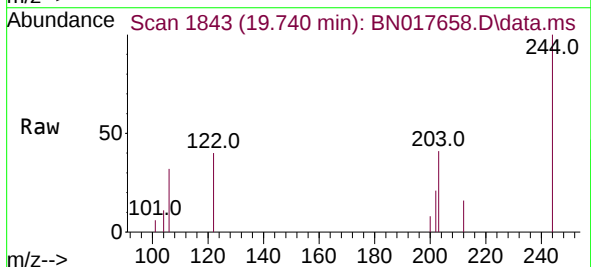
Tgt Ion:244 Resp: 7667

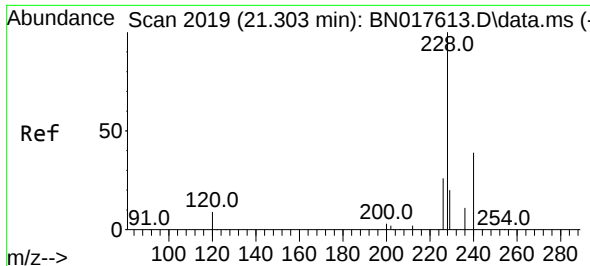
Ion Ratio Lower Upper

244 100

212 15.8 5.7 8.5#

122 40.1 8.6 13.0#

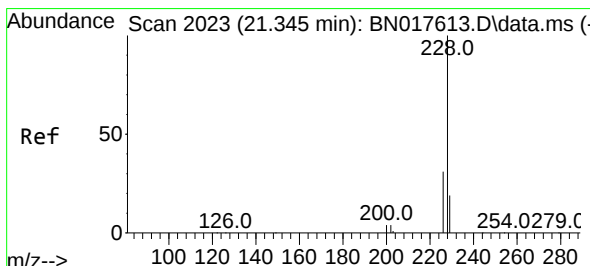
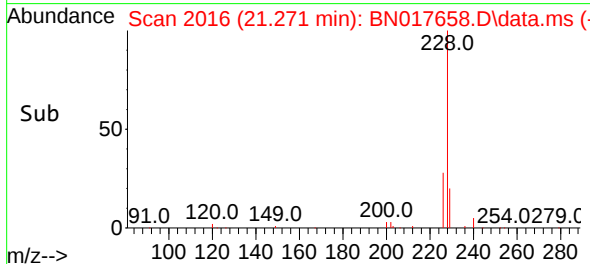
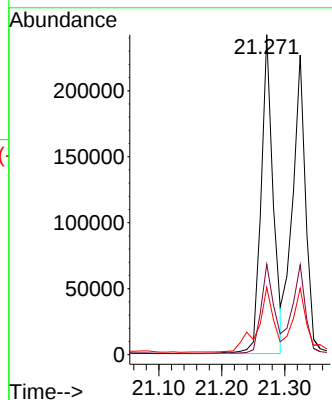
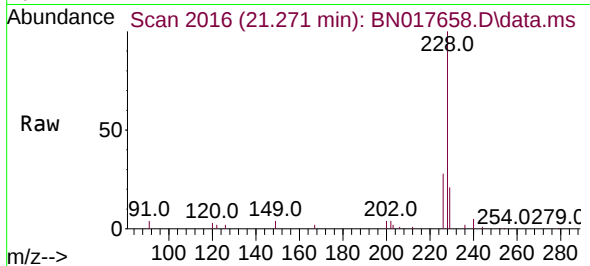




#32
Benzo(a)anthracene
Concen: 0.878 ng
RT: 21.271 min Scan# 2016
Delta R.T. -0.021 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

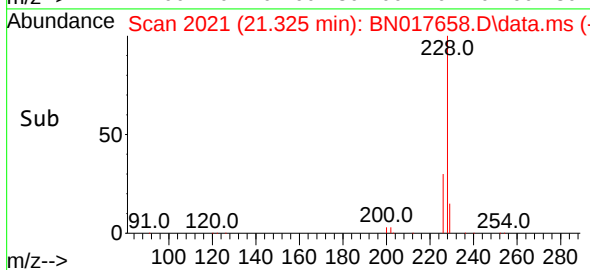
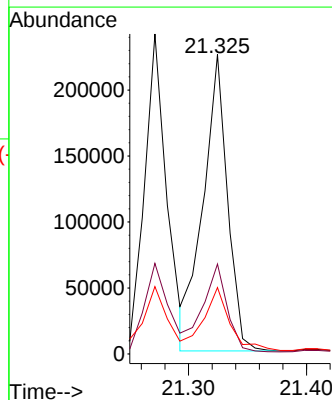
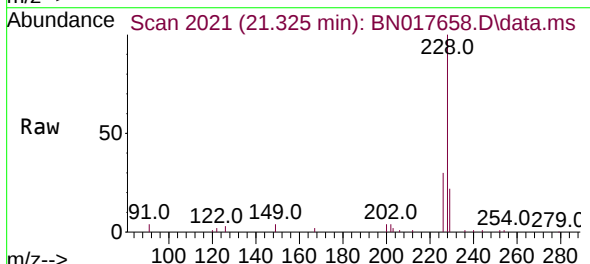
Instrument :
BNA_N
ClientSampleId :
CS-5ADL

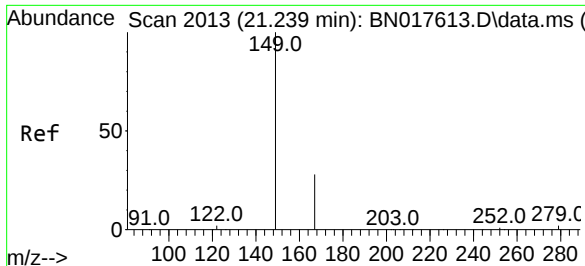
Tgt Ion:228 Resp: 323159
Ion Ratio Lower Upper
228 100
226 28.3 21.3 31.9
229 21.0 15.7 23.5



#33
Chrysene
Concen: 0.803 ng
RT: 21.325 min Scan# 2021
Delta R.T. -0.010 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

Tgt Ion:228 Resp: 321559
Ion Ratio Lower Upper
228 100
226 30.0 23.3 34.9
229 22.2 15.6 23.4

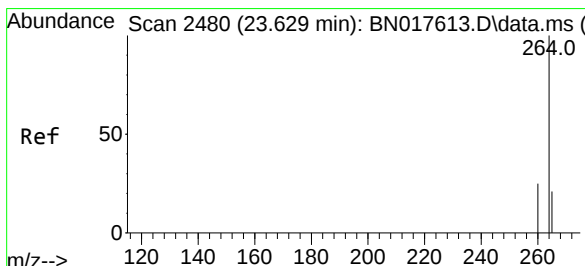
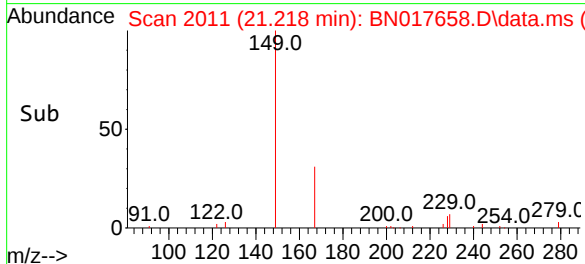
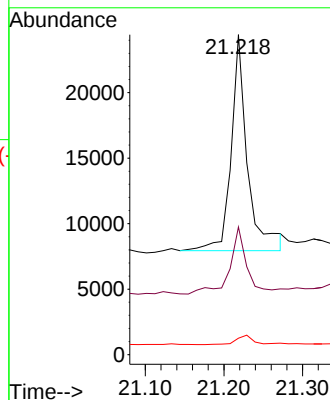
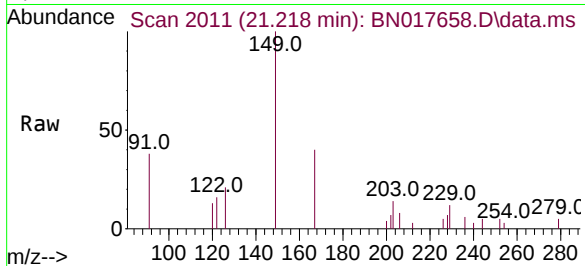




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.272 ng
RT: 21.218 min Scan# 2011
Delta R.T. -0.010 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

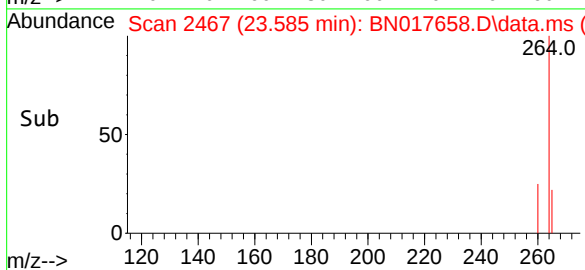
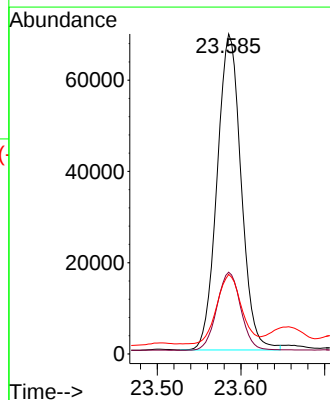
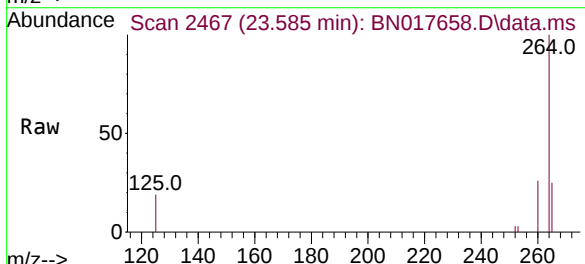
Instrument :
BNA_N
ClientSampleId :
CS-5ADL

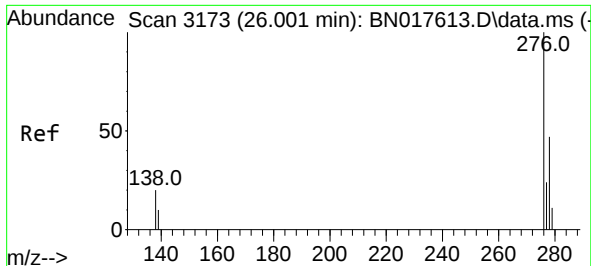
Tgt Ion:149 Resp: 23710
Ion Ratio Lower Upper
149 100
167 32.4 21.8 32.6
279 4.6 3.4 5.0



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.585 min Scan# 2467
Delta R.T. -0.024 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

Tgt Ion:264 Resp: 138178
Ion Ratio Lower Upper
264 100
260 25.6 19.4 29.2
265 24.8 18.6 28.0

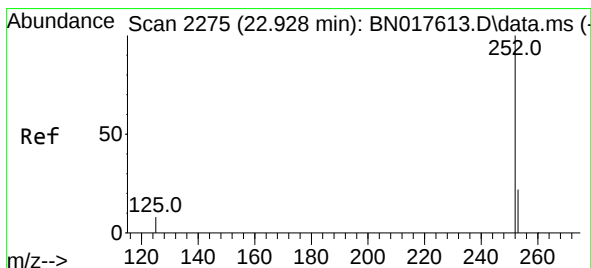
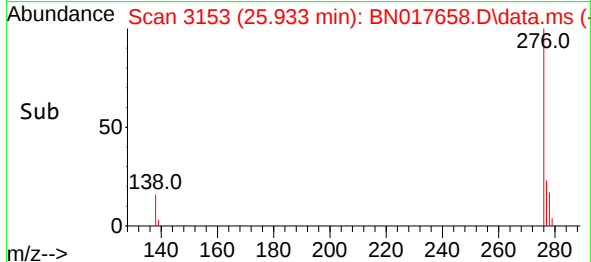
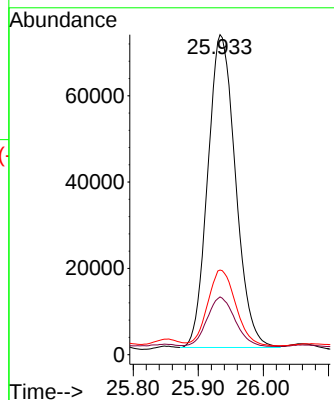
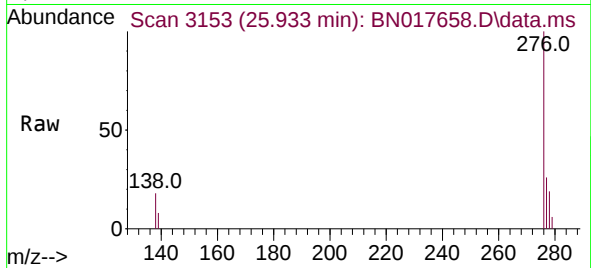




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.478 ng
RT: 25.933 min Scan# 3173
Delta R.T. -0.044 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

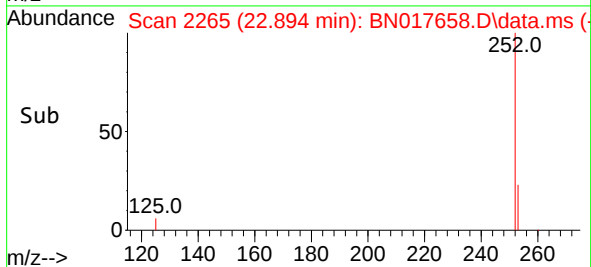
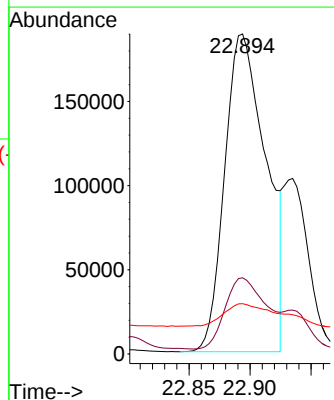
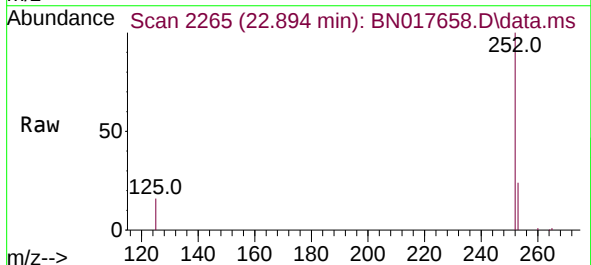
Instrument :
BNA_N
ClientSampleId :
CS-5ADL

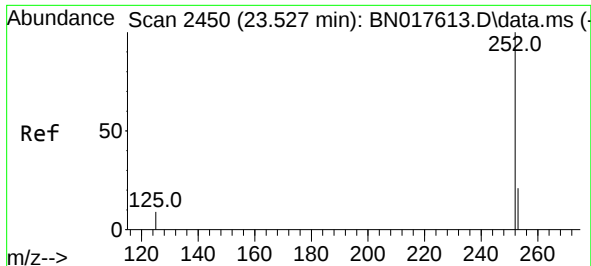
Tgt Ion:276 Resp: 214470
Ion Ratio Lower Upper
276 100
138 15.8 19.7 29.5#
277 24.4 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 0.974 ng
RT: 22.894 min Scan# 2265
Delta R.T. -0.020 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

Tgt Ion:252 Resp: 446312
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 15.7 7.8 11.8#





#39

Benzo(a)pyrene

Concen: 0.664 ng

RT: 23.483 min Scan# 24

Delta R.T. -0.024 min

Lab File: BN017658.D

Acq: 01 Dec 2021 19:39

Instrument :

BNA_N

ClientSampleId :

CS-5ADL

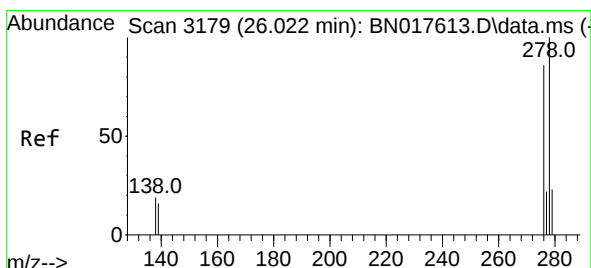
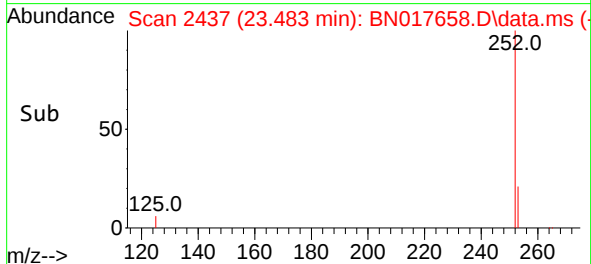
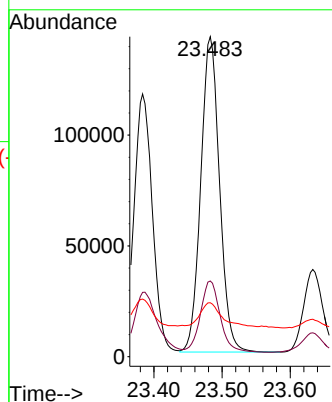
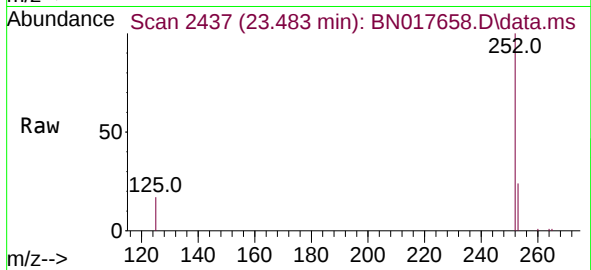
Tgt Ion:252 Resp: 272497

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

125 16.8 9.2 13.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.138 ng

RT: 25.947 min Scan# 3157

Delta R.T. -0.051 min

Lab File: BN017658.D

Acq: 01 Dec 2021 19:39

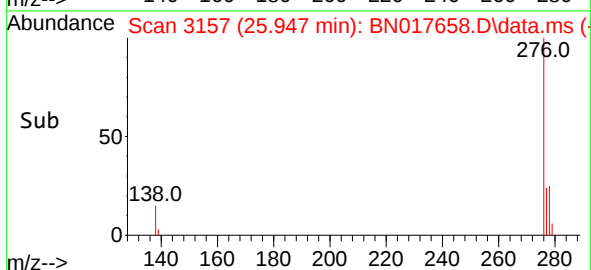
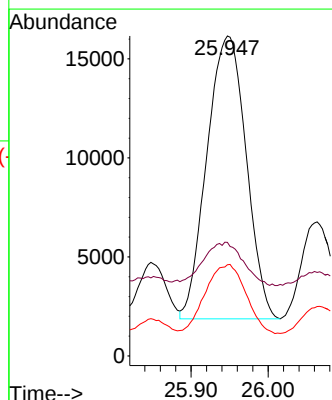
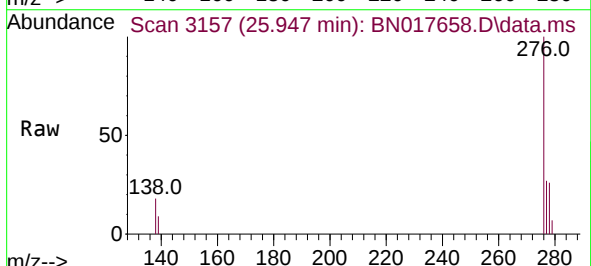
Tgt Ion:278 Resp: 50604

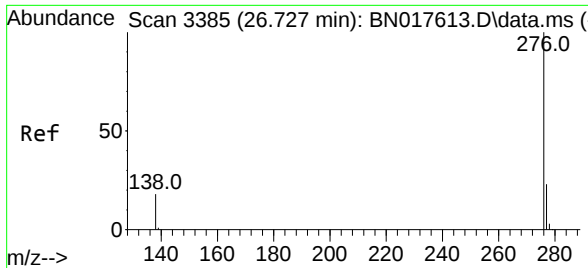
Ion Ratio Lower Upper

278 100

139 35.5 13.0 19.6#

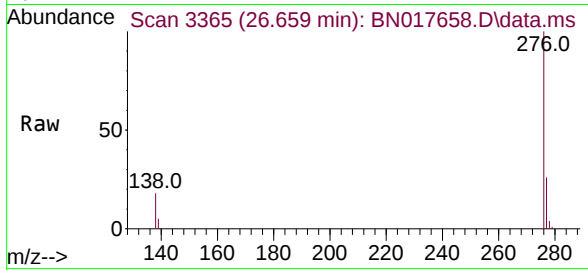
279 28.5 19.2 28.8





#41
Benzo(g,h,i)perylene
Concen: 0.557 ng
RT: 26.659 min Scan# 31
Delta R.T. -0.037 min
Lab File: BN017658.D
Acq: 01 Dec 2021 19:39

Instrument :
BNA_N
ClientSampleId :
CS-5ADL



Tgt Ion:276 Resp: 210189
Ion Ratio Lower Upper
276 100
277 26.2 19.0 28.4
138 17.9 17.1 25.7

