

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017656.D
 Acq On : 01 Dec 2021 18:27
 Operator : CG/JU
 Sample : M4862-12DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-6ADL

Quant Time: Dec 01 18:55:38 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)

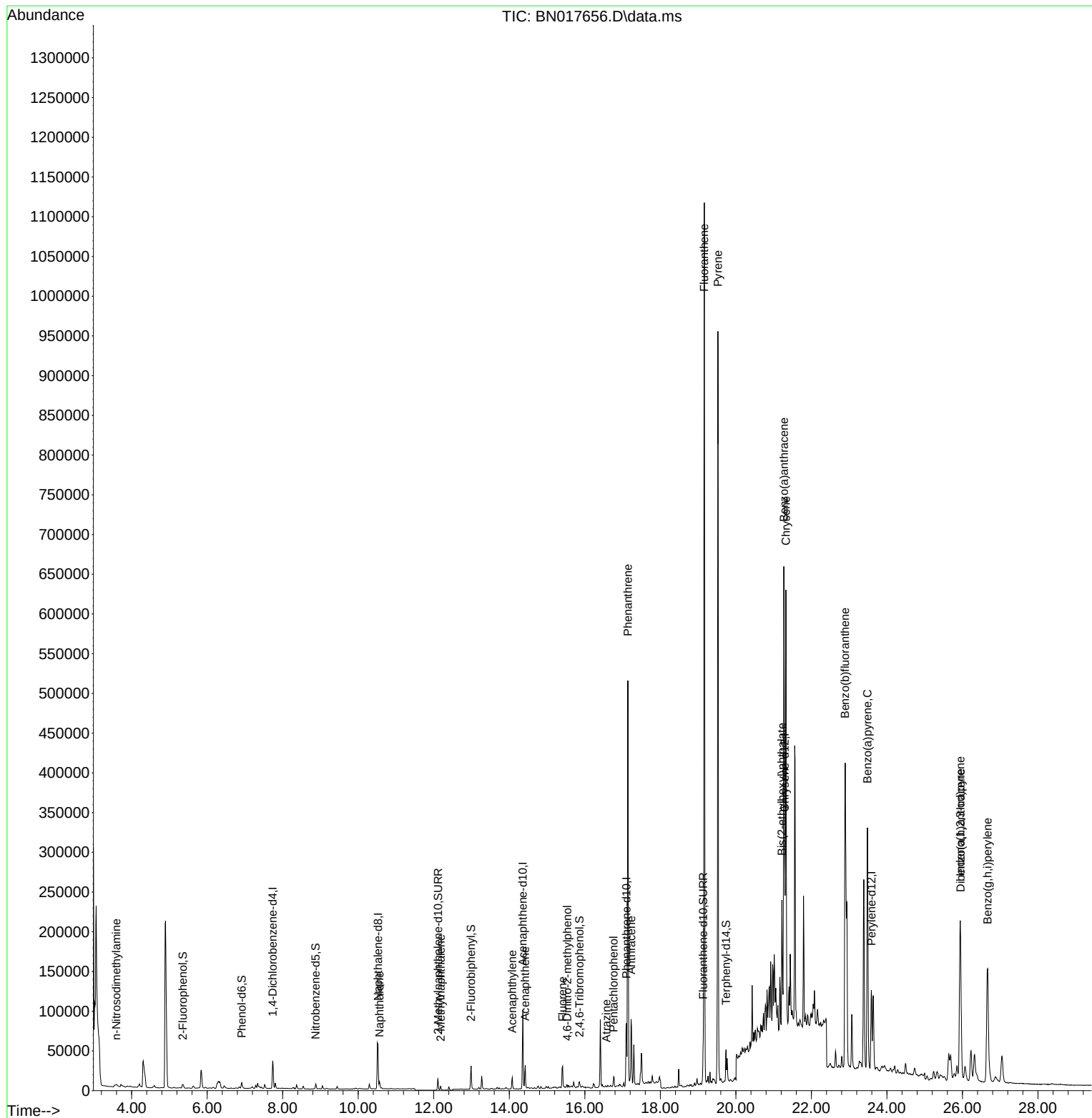
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.736	152	21285	0.400	ng	-0.04
7) Naphthalene-d8	10.522	136	90643	0.400	ng	#-0.03
13) Acenaphthene-d10	14.359	164	57280	0.400	ng	-0.03
19) Phenanthrene-d10	17.104	188	123497	0.400	ng	-0.01
29) Chrysene-d12	21.292	240	121584	0.400	ng	#-0.01
35) Perylene-d12	23.588	264	137491	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.357	112	6514	0.135	ng	-0.02
5) Phenol-d6	6.915	99	7606	0.149	ng	-0.03
8) Nitrobenzene-d5	8.874	82	6078	0.158	ng	-0.04
11) 2-Methylnaphthalene-d10	12.111	152	21489	0.136	ng	-0.03
14) 2,4,6-Tribromophenol	15.856	330	1384	0.163	ng	-0.01
15) 2-Fluorobiphenyl	12.989	172	28231	0.127	ng	-0.03
27) Fluoranthene-d10	19.134	212	55224	0.143	ng	-0.02
31) Terphenyl-d14	19.739	244	39186	0.147	ng	-0.01
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.596	42	1048	0.052	ng	# 1
9) Naphthalene	10.560	128	11221	0.049	ng	96
12) 2-Methylnaphthalene	12.182	142	3831	0.025	ng	# 96
16) Acenaphthylene	14.080	152	17217	0.077	ng	98
17) Acenaphthene	14.422	154	15027	0.097	ng	99
18) Fluorene	15.412	166	22057	0.118	ng	97
20) 4,6-Dinitro-2-methylph...	15.539	198	46	0.065	ng	# 1
23) Atrazine	16.569	200	122	0.133	ng	# 1
24) Pentachlorophenol	16.763	266	103	0.195	ng	89
25) Phenanthrene	17.140	178	519606	1.534	ng	100
26) Anthracene	17.226	178	94700	0.325	ng	# 94
28) Fluoranthene	19.163	202	1037209	2.706	ng	# 97
30) Pyrene	19.526	202	860717	2.193	ng	# 94
32) Benzo(a)anthracene	21.271	228	494289	1.338	ng	97
33) Chrysene	21.324	228	478628	1.191	ng	97
34) Bis(2-ethylhexyl)phtha...	21.218	149	153979	1.758	ng	97
36) Indeno(1,2,3-cd)pyrene	25.943	276	347108	0.777	ng	# 91
37) Benzo(b)fluoranthene	22.894	252	672794	1.476	ng	# 95
39) Benzo(a)pyrene	23.486	252	461664	1.131	ng	96
40) Dibenzo(a,h)anthracene	25.950	278	81480	0.223	ng	# 83
41) Benzo(g,h,i)perylene	26.666	276	349371	0.931	ng	94

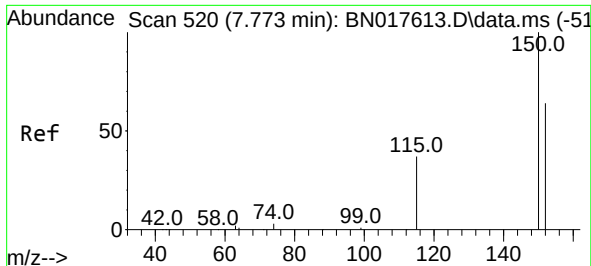
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CS-6ADL

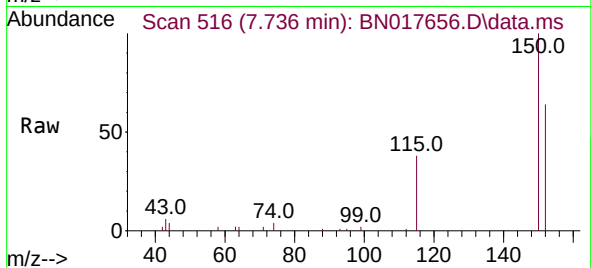
Quant Time: Dec 01 18:55:38 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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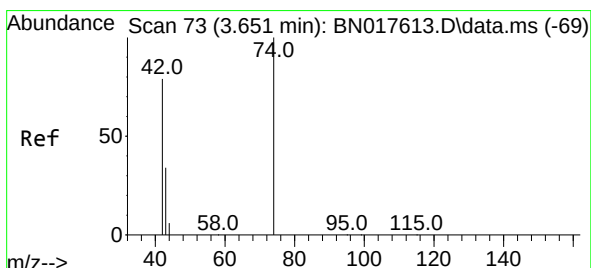
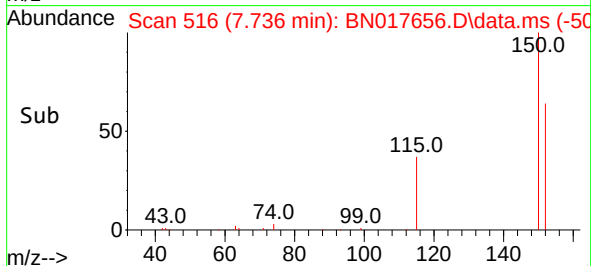
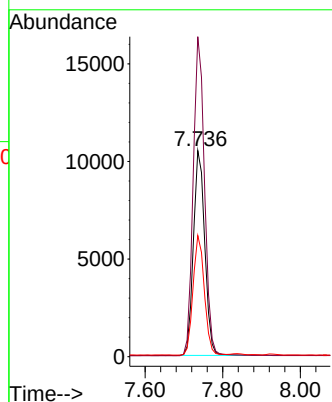


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 51
Delta R.T. -0.037 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

Instrument :
BNA_N
ClientSampleId :
CS-6ADL

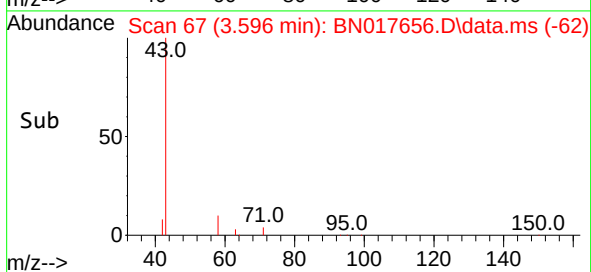
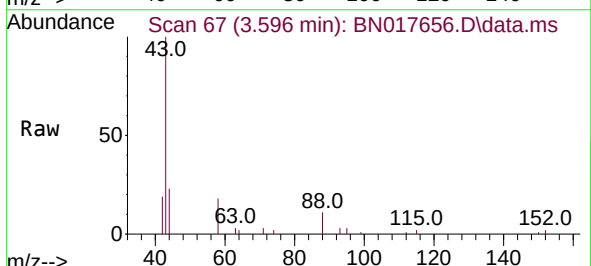


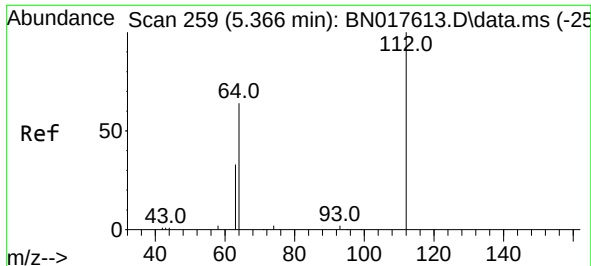
Tgt Ion:152 Resp: 21285
Ion Ratio Lower Upper
152 100
150 155.3 123.0 184.4
115 58.8 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.052 ng
RT: 3.596 min Scan# 67
Delta R.T. -0.055 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

Tgt Ion: 42 Resp: 1048
Ion Ratio Lower Upper
42 100
74 4.3 97.8 146.6#
44 0.0 5.5 8.3#

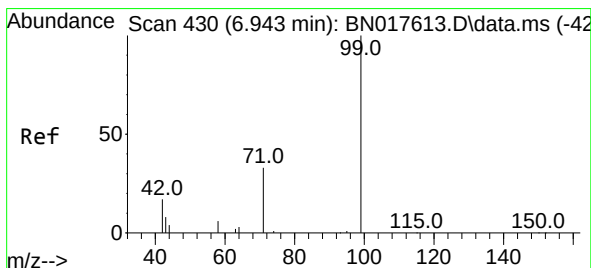
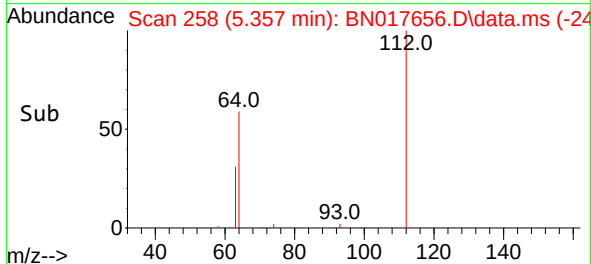
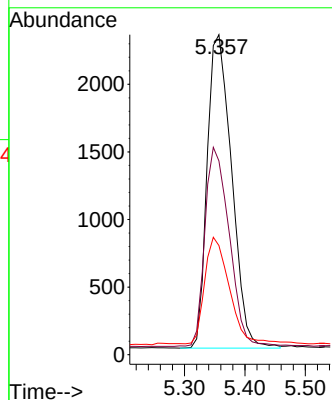
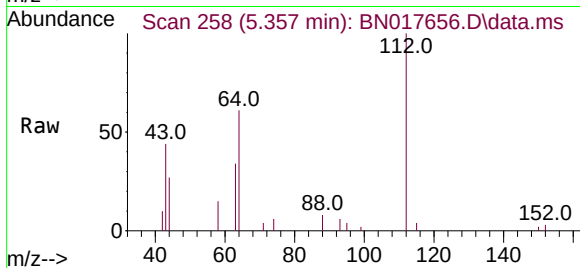




#4
2-Fluorophenol
Concen: 0.135 ng
RT: 5.357 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

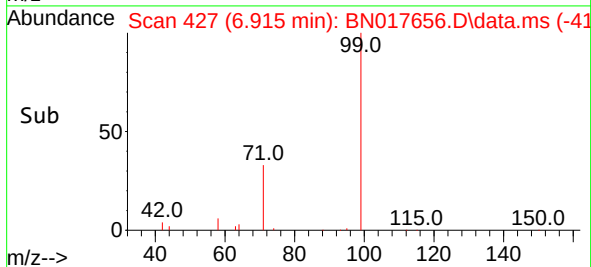
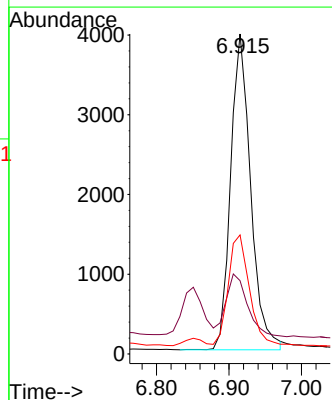
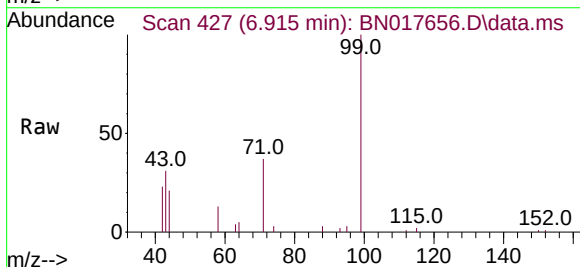
Instrument :
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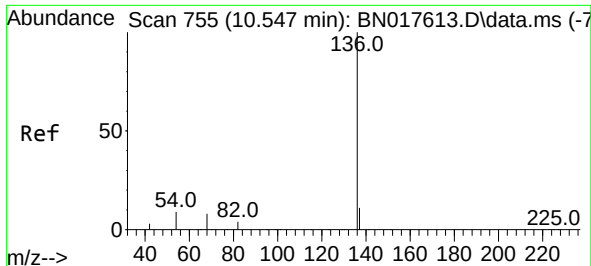
Tgt Ion:112 Resp: 6514
Ion Ratio Lower Upper
112 100
64 63.2 47.6 71.4
63 34.3 24.6 37.0



#5
Phenol-d6
Concen: 0.149 ng
RT: 6.915 min Scan# 427
Delta R.T. -0.028 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

Tgt Ion: 99 Resp: 7606
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 35.7 24.8 37.2

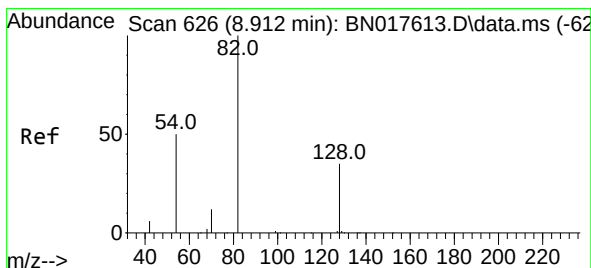
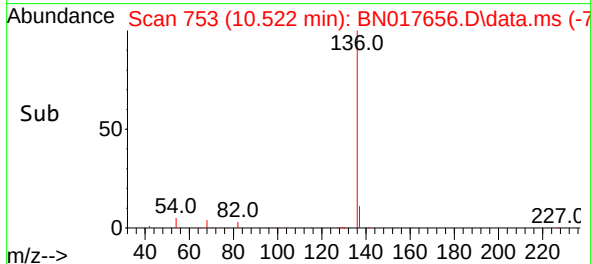
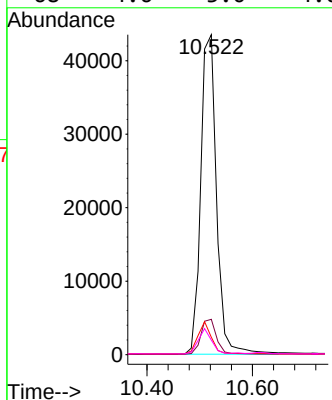
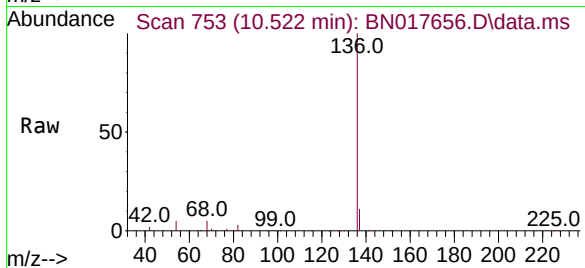




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.522 min Scan# 71
Delta R.T. -0.025 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

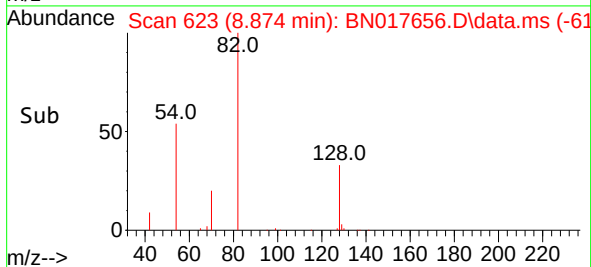
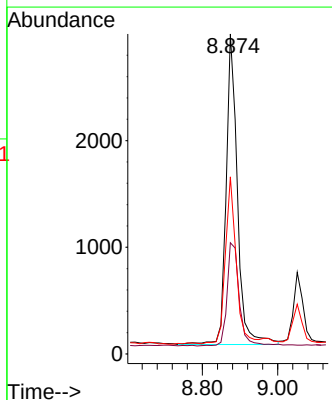
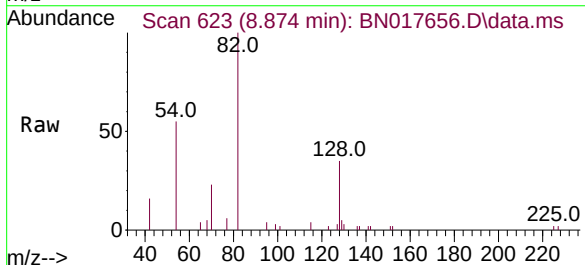
Instrument :
BNA_N
ClientSampleId :
CS-6ADL

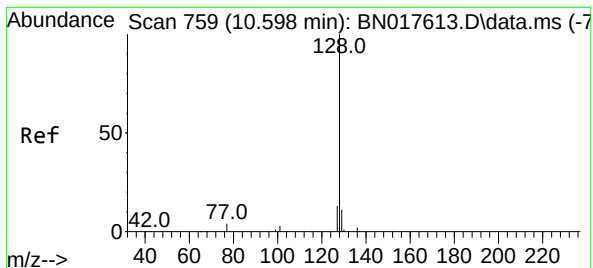
Tgt Ion:136 Resp: 90643
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 5.4 4.0 6.0
68 4.6 3.0 4.6#



#8
Nitrobenzene-d5
Concen: 0.158 ng
RT: 8.874 min Scan# 623
Delta R.T. -0.038 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

Tgt Ion: 82 Resp: 6078
Ion Ratio Lower Upper
82 100
128 34.8 27.7 41.5
54 55.3 49.2 73.8





#9

Naphthalene

Concen: 0.049 ng

RT: 10.560 min Scan# 71

Delta R.T. -0.038 min

Lab File: BN017656.D

Acq: 01 Dec 2021 18:27

Instrument :

BNA_N

ClientSampleId :

CS-6ADL

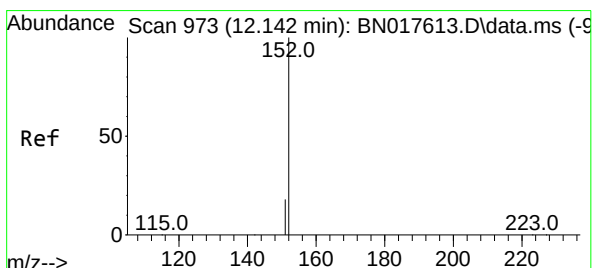
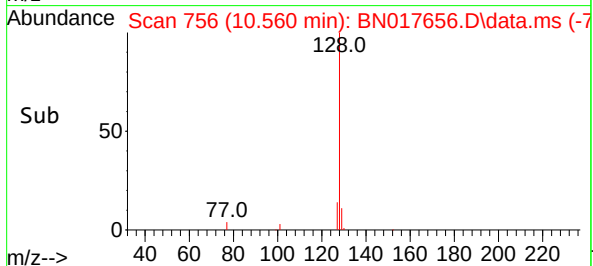
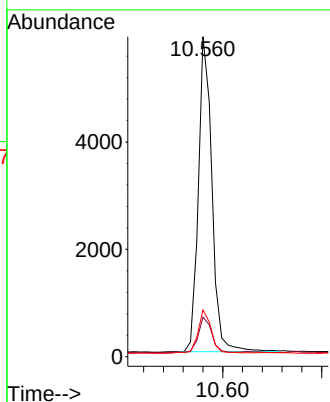
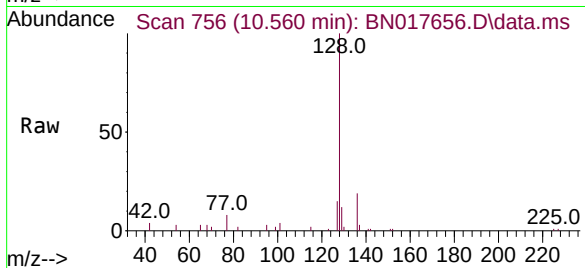
Tgt Ion:128 Resp: 11221

Ion Ratio Lower Upper

128 100

129 12.4 8.8 13.2

127 14.6 10.6 15.8



#11

2-Methylnaphthalene-d10

Concen: 0.136 ng

RT: 12.111 min Scan# 966

Delta R.T. -0.027 min

Lab File: BN017656.D

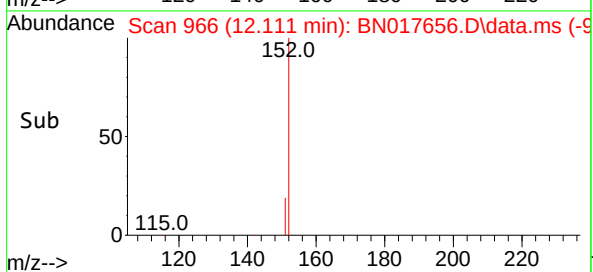
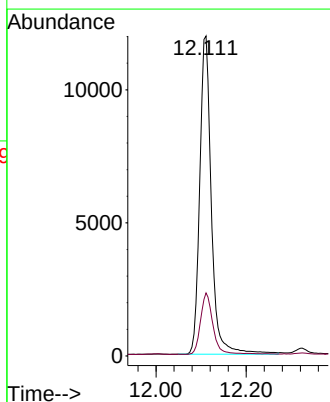
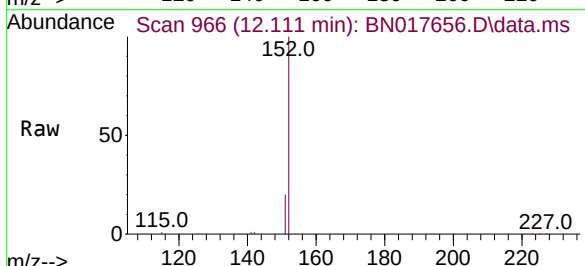
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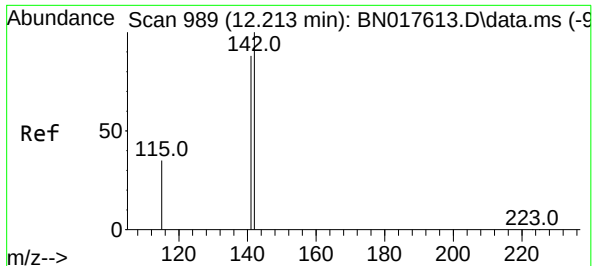
Tgt Ion:152 Resp: 21489

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.025 ng

RT: 12.182 min Scan# 91

Delta R.T. -0.031 min

Lab File: BN017656.D

Acq: 01 Dec 2021 18:27

Instrument :

BNA_N

ClientSampleId :

CS-6ADL

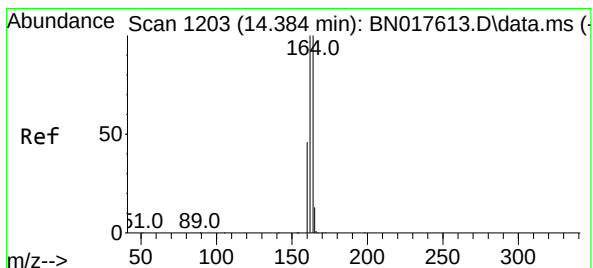
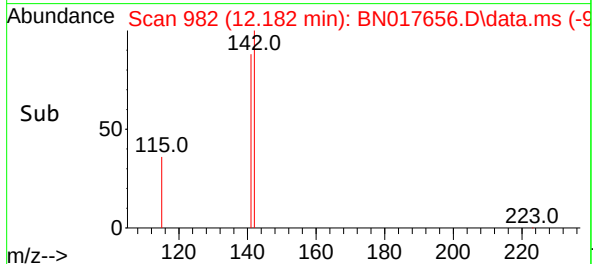
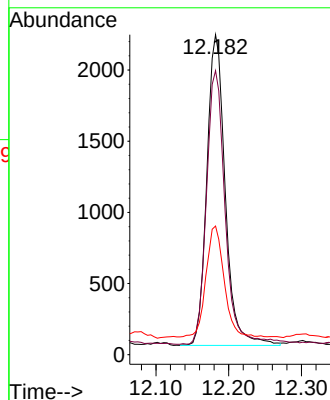
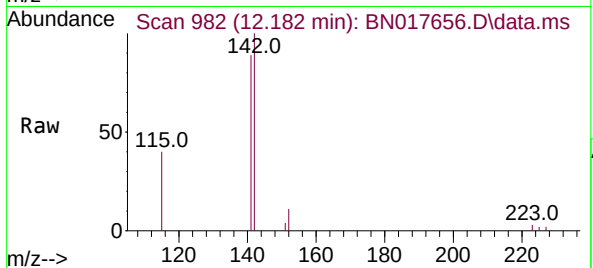
Tgt Ion:142 Resp: 3831

Ion Ratio Lower Upper

142 100

141 88.7 70.6 106.0

115 40.2 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: BN017656.D

Acq: 01 Dec 2021 18:27

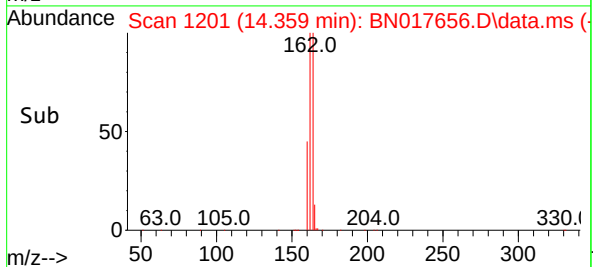
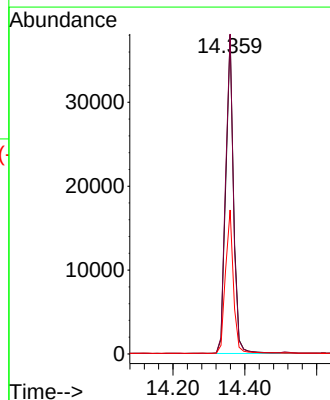
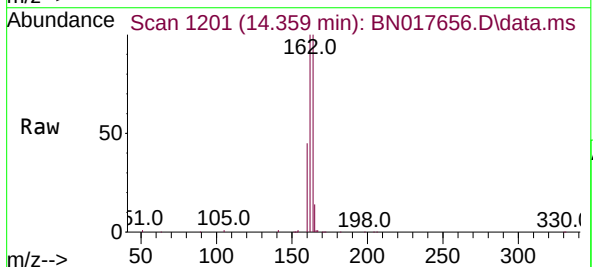
Tgt Ion:164 Resp: 57280

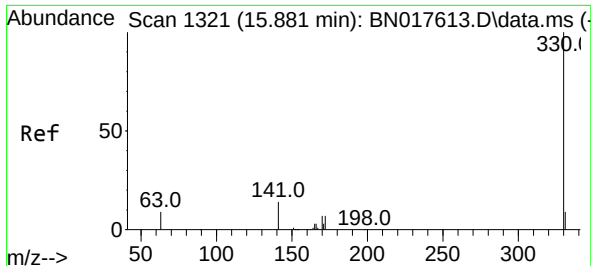
Ion Ratio Lower Upper

164 100

162 100.3 81.4 122.2

160 45.1 36.8 55.2

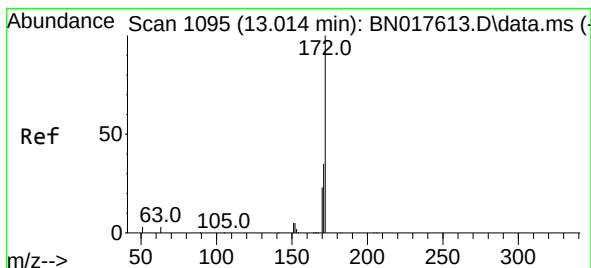
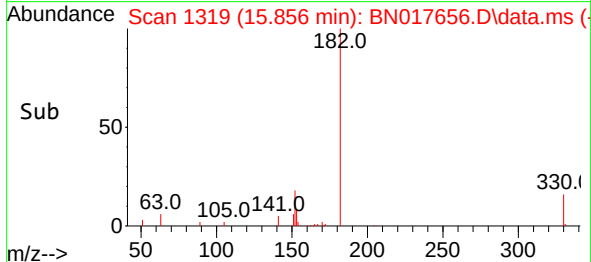
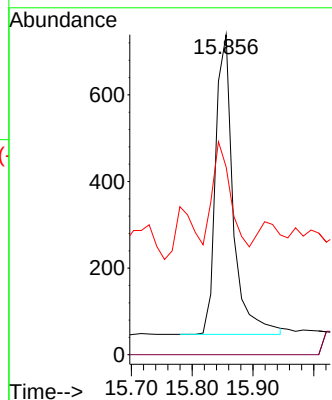
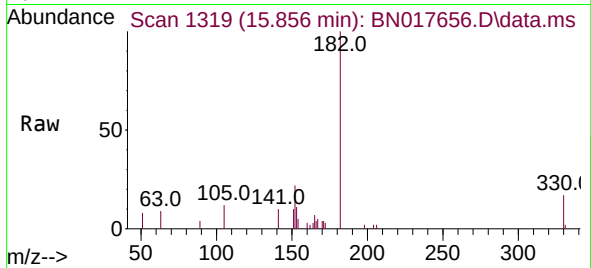




#14
2,4,6-Tribromophenol
Concen: 0.163 ng
RT: 15.856 min Scan# 11
Delta R.T. -0.013 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

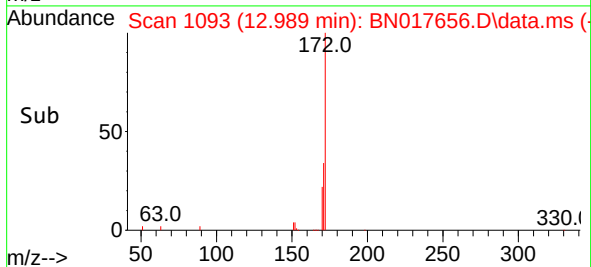
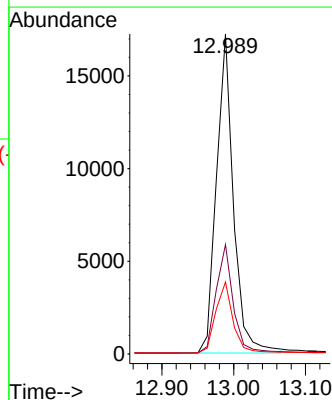
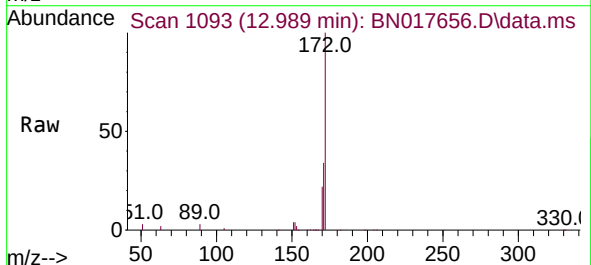
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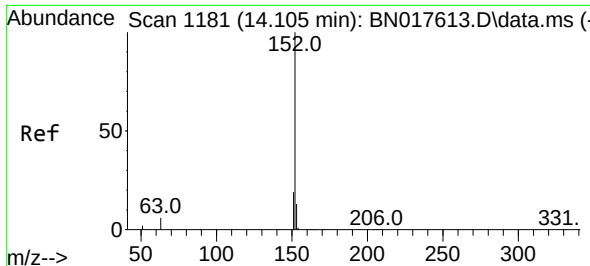
Tgt Ion:330 Resp: 1384
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.4 28.9 43.3



#15
2-Fluorobiphenyl
Concen: 0.127 ng
RT: 12.989 min Scan# 1093
Delta R.T. -0.025 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

Tgt Ion:172 Resp: 28231
Ion Ratio Lower Upper
172 100
171 34.2 28.7 43.1
170 22.5 19.4 29.2

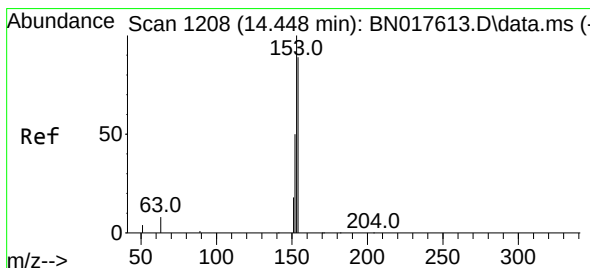
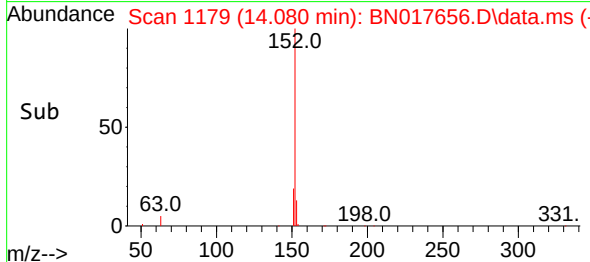
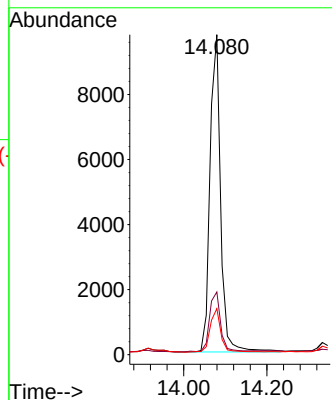
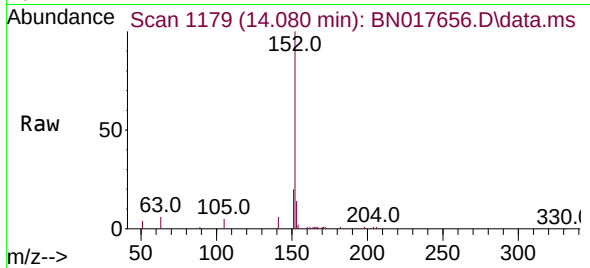




#16
 Acenaphthylene
 Concen: 0.077 ng
 RT: 14.080 min Scan# 1181
 Delta R.T. -0.025 min
 Lab File: BN017656.D
 Acq: 01 Dec 2021 18:27

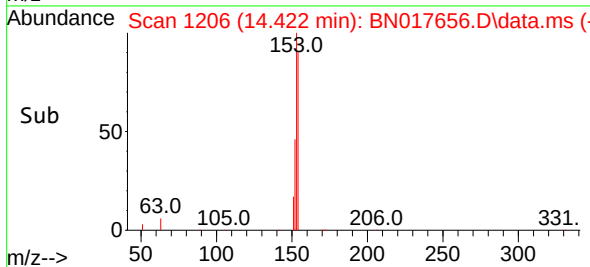
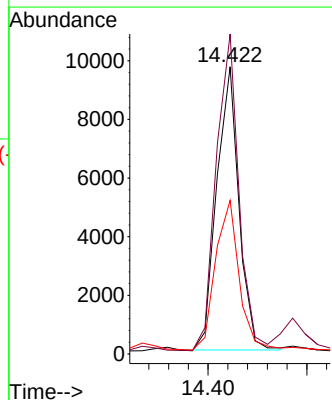
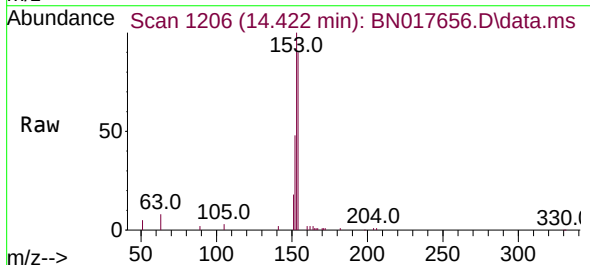
Instrument :
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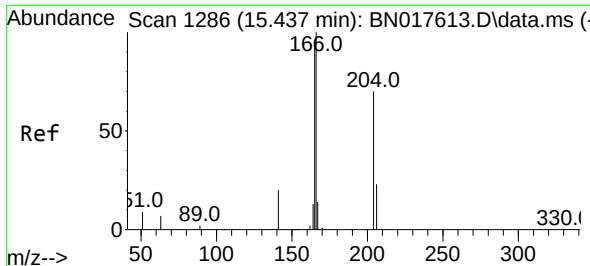
Tgt Ion:152 Resp: 17217
 Ion Ratio Lower Upper
 152 100
 151 19.9 15.5 23.3
 153 14.1 10.4 15.6



#17
 Acenaphthene
 Concen: 0.097 ng
 RT: 14.422 min Scan# 1206
 Delta R.T. -0.025 min
 Lab File: BN017656.D
 Acq: 01 Dec 2021 18:27

Tgt Ion:154 Resp: 15027
 Ion Ratio Lower Upper
 154 100
 153 114.2 91.2 136.8
 152 57.0 44.3 66.5

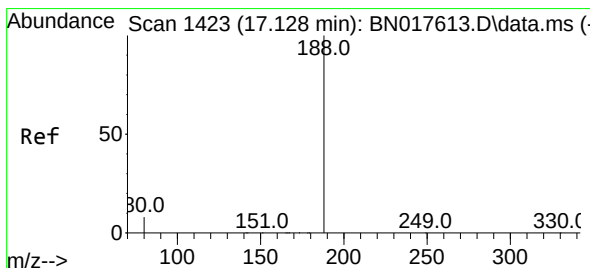
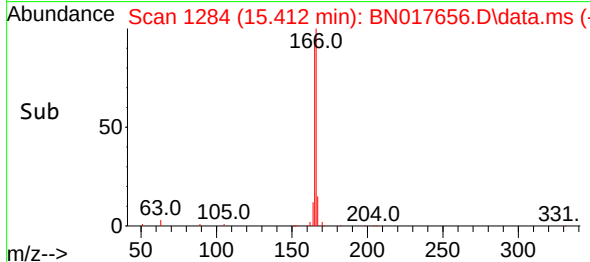
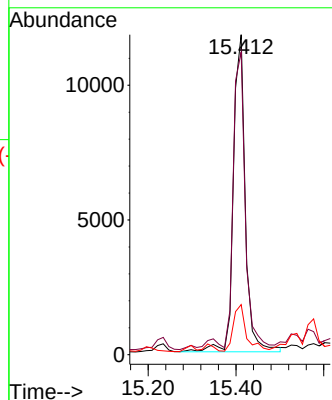
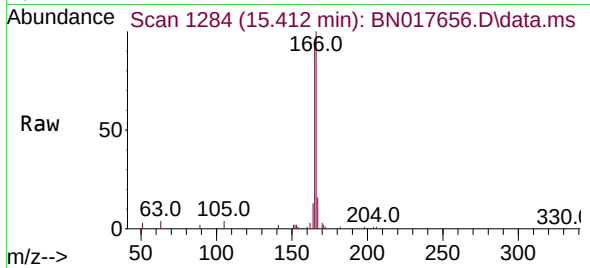




#18
Fluorene
Concen: 0.118 ng
RT: 15.412 min Scan# 1284
Delta R.T. -0.013 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

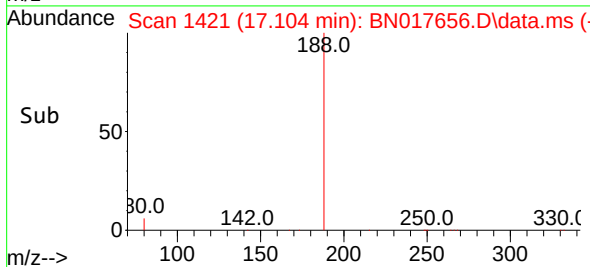
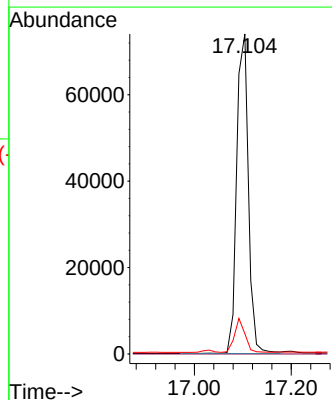
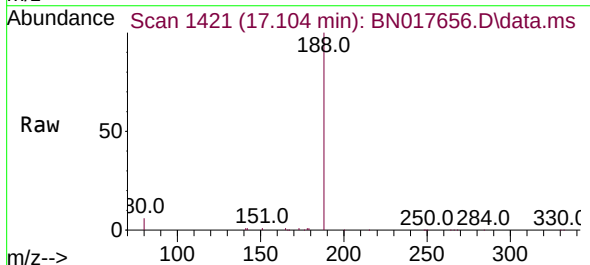
Instrument :
BNA_N
ClientSampleId :
CS-6ADL

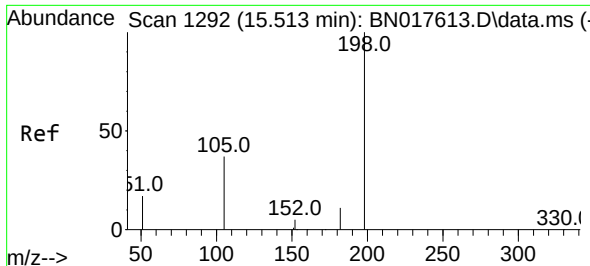
Tgt Ion:166 Resp: 22057
Ion Ratio Lower Upper
166 100
165 99.8 77.9 116.9
167 16.1 10.9 16.3



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.104 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

Tgt Ion:188 Resp: 123497
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.4 6.1 9.1

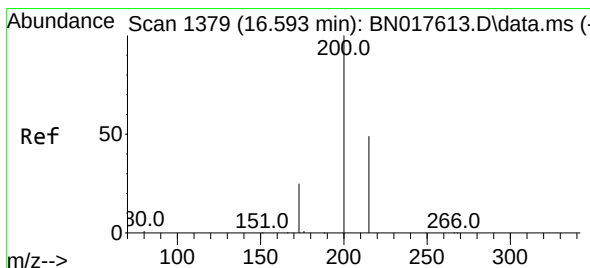
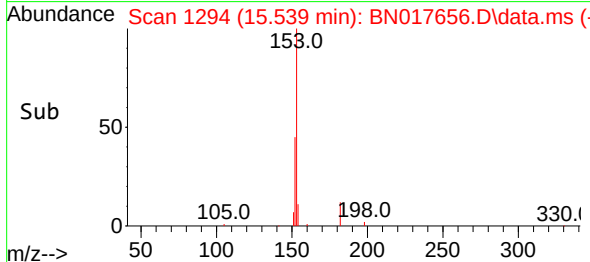
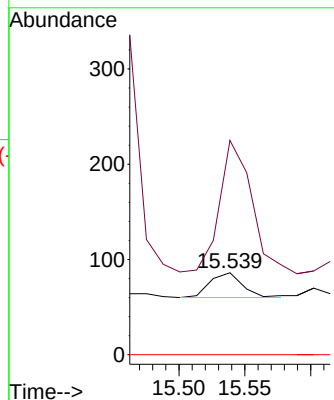
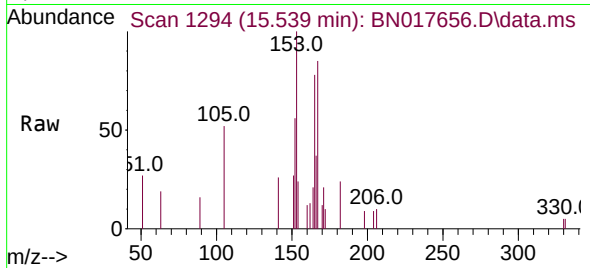




#20
4,6-Dinitro-2-methylphenol
Concen: 0.065 ng
RT: 15.539 min Scan# 11
Delta R.T. 0.025 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

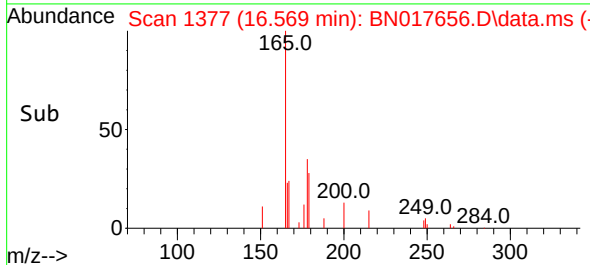
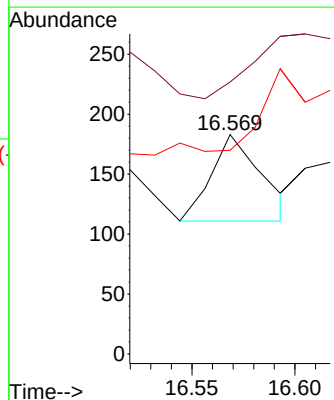
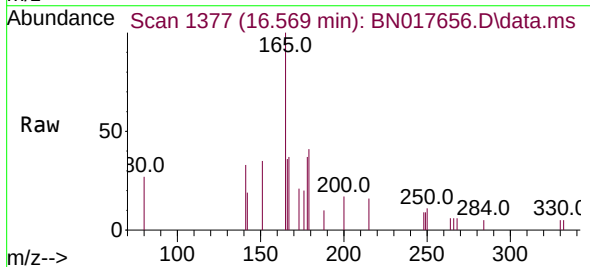
Instrument :
BNA_N
ClientSampleId :
CS-6ADL

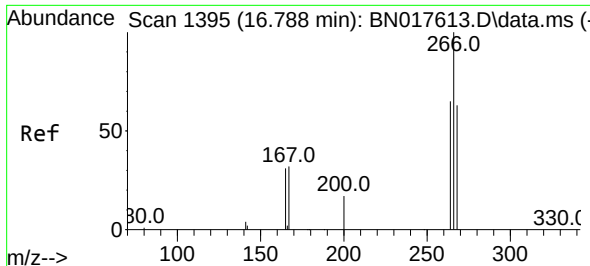
Tgt Ion:198 Resp: 46
Ion Ratio Lower Upper
198 100
182 261.6 11.4 17.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.133 ng
RT: 16.569 min Scan# 1377
Delta R.T. -0.024 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

Tgt Ion:200 Resp: 122
Ion Ratio Lower Upper
200 100
173 124.0 17.6 26.4#
215 92.9 40.2 60.4#

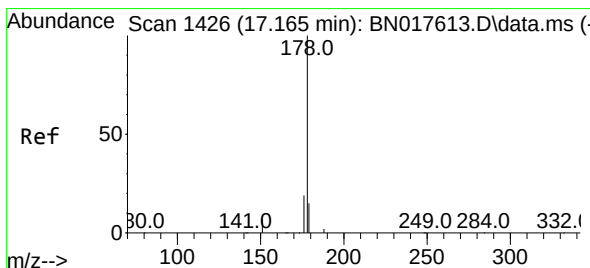
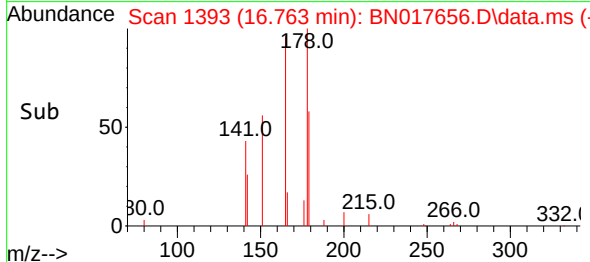
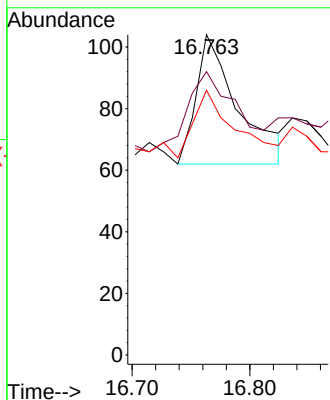
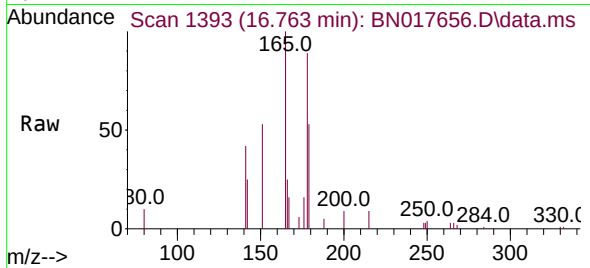




#24
Pentachlorophenol
Concen: 0.195 ng
RT: 16.763 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

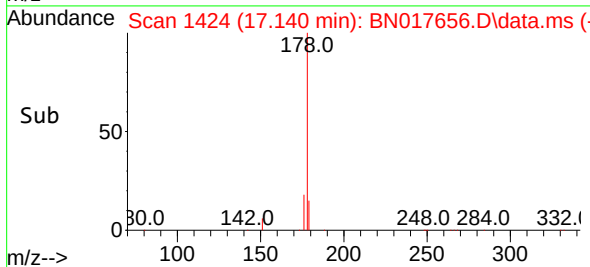
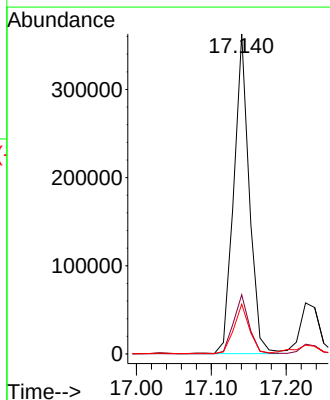
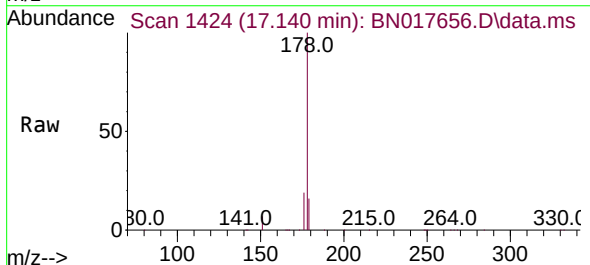
Instrument :
BNA_N
ClientSampleId :
CS-6ADL

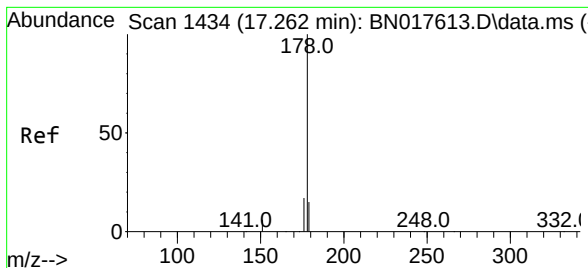
Tgt Ion:266 Resp: 103
Ion Ratio Lower Upper
266 100
264 72.8 49.8 74.8
268 58.3 51.3 76.9



#25
Phenanthrene
Concen: 1.534 ng
RT: 17.140 min Scan# 1424
Delta R.T. -0.024 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

Tgt Ion:178 Resp: 519606
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.5 12.3 18.5

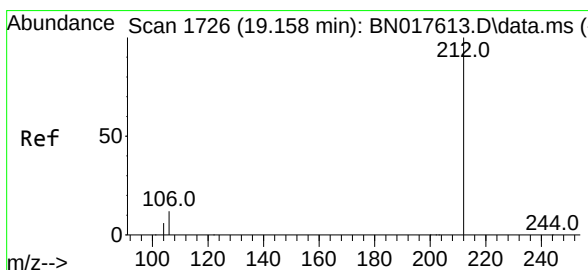
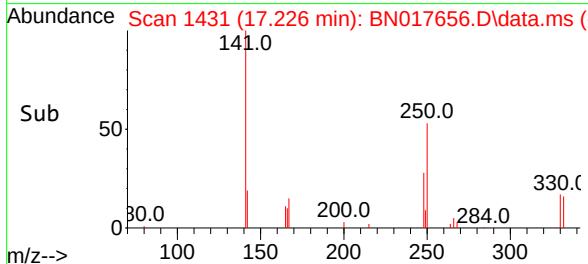
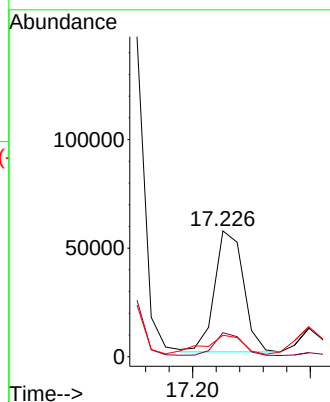
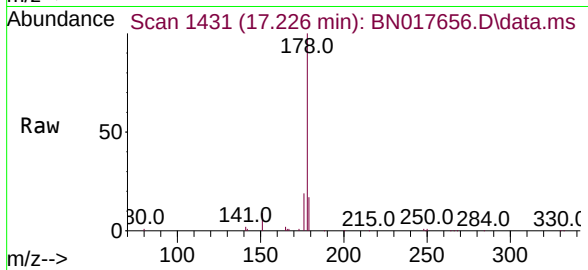




#26
 Anthracene
 Concen: 0.325 ng
 RT: 17.226 min Scan# 1434
 Delta R.T. -0.024 min
 Lab File: BN017656.D
 Acq: 01 Dec 2021 18:27

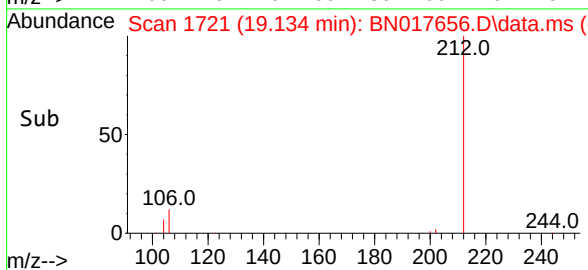
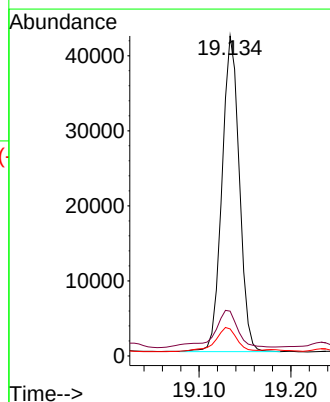
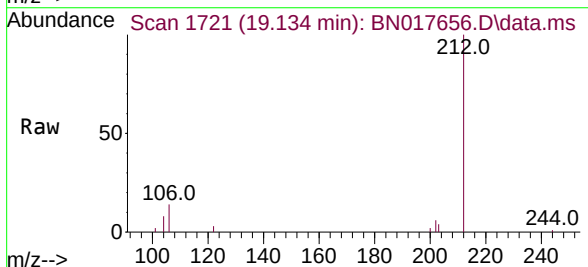
Instrument :
 BNA_N
 ClientSampleId :
 CS-6ADL

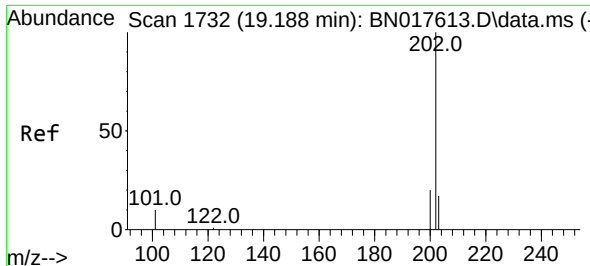
Tgt Ion:178 Resp: 94700
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.6 22.0
 179 20.7 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.143 ng
 RT: 19.134 min Scan# 1721
 Delta R.T. -0.020 min
 Lab File: BN017656.D
 Acq: 01 Dec 2021 18:27

Tgt Ion:212 Resp: 55224
 Ion Ratio Lower Upper
 212 100
 106 16.1 10.5 15.7#
 104 9.8 5.8 8.6#

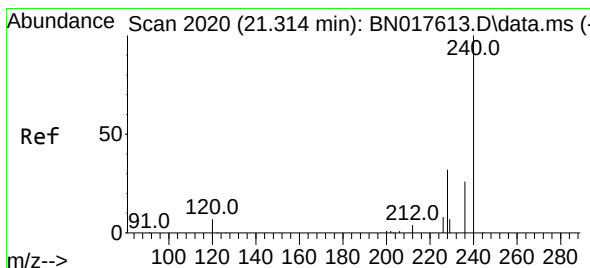
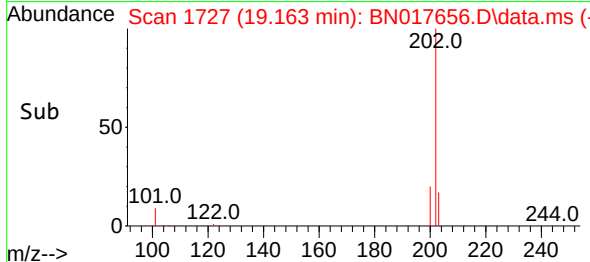
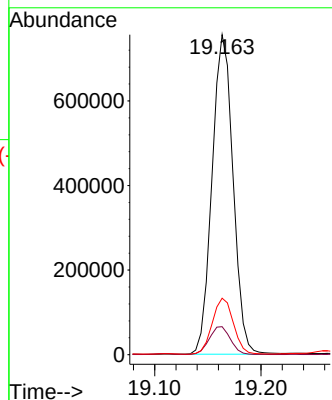
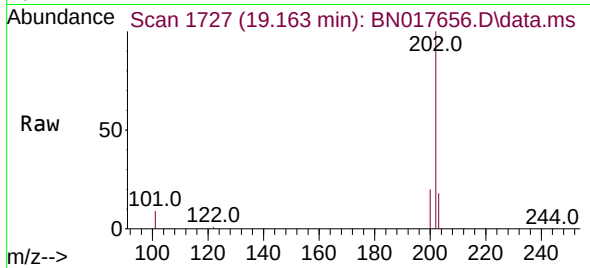




#28
Fluoranthene
Concen: 2.706 ng
RT: 19.163 min Scan# 11
Delta R.T. -0.020 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

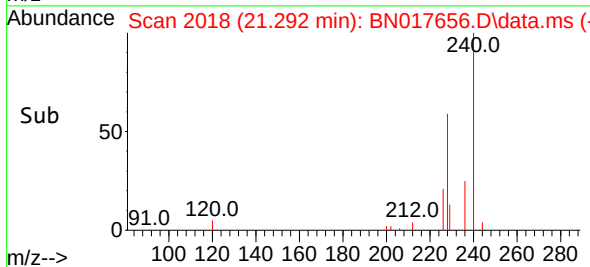
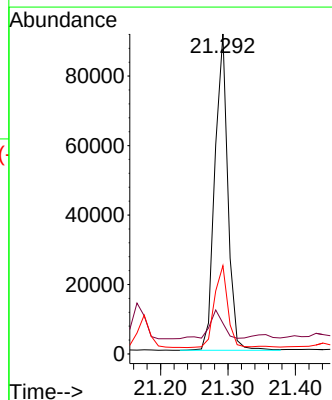
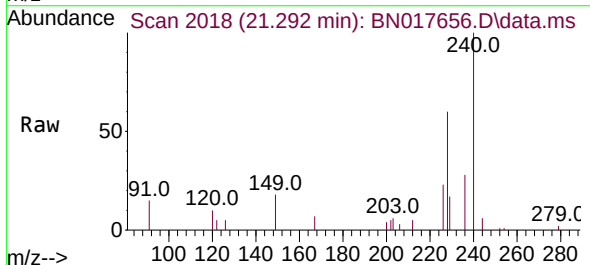
Instrument :
BNA_N
ClientSampleId :
CS-6ADL

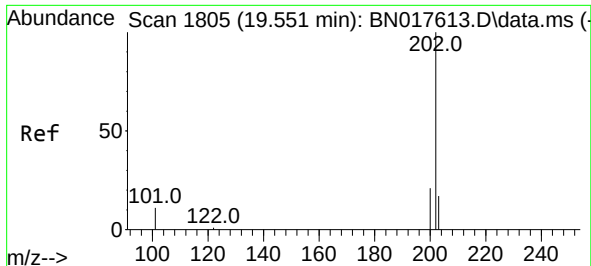
Tgt Ion:202 Resp: 1037209
Ion Ratio Lower Upper
202 100
101 8.8 8.9 13.3#
203 17.5 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.292 min Scan# 2018
Delta R.T. -0.011 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

Tgt Ion:240 Resp: 121584
Ion Ratio Lower Upper
240 100
120 9.6 4.2 6.2#
236 27.6 20.0 30.0

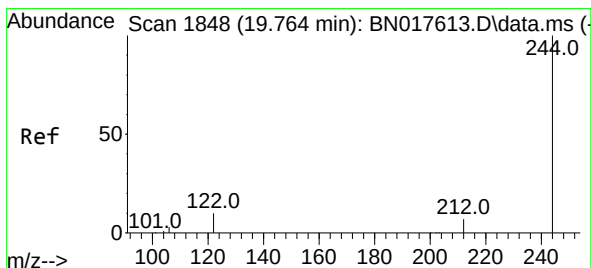
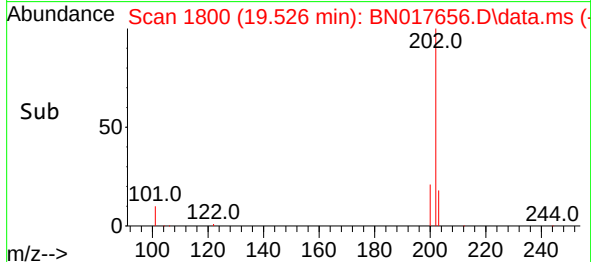
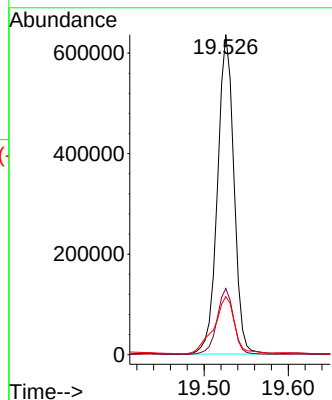
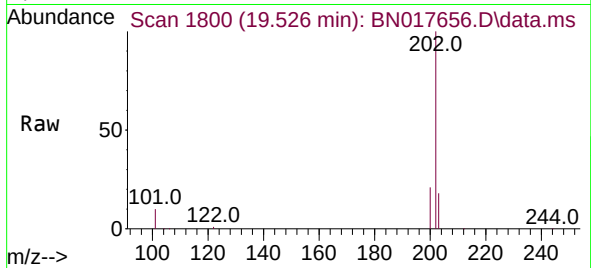




#30
 Pyrene
 Concen: 2.193 ng
 RT: 19.526 min Scan# 1800
 Delta R.T. -0.020 min
 Lab File: BN017656.D
 Acq: 01 Dec 2021 18:27

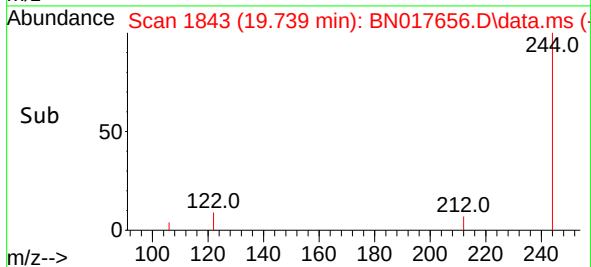
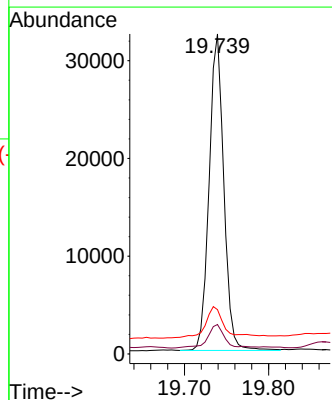
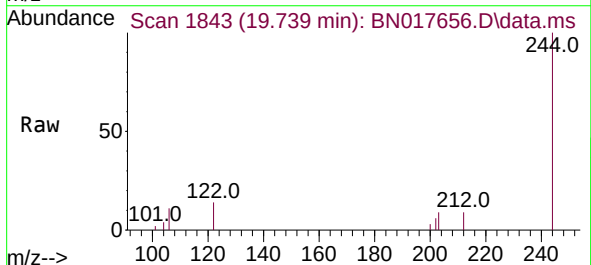
Instrument :
 BNA_N
 ClientSampleId :
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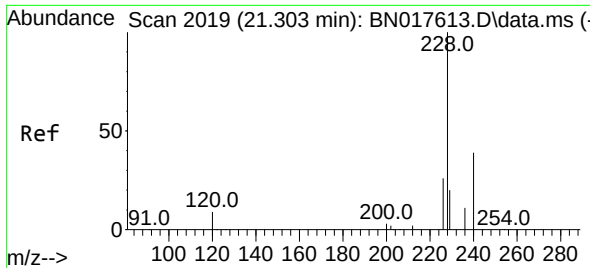
Tgt Ion:202 Resp: 860717
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.5 24.7
 203 22.5 14.0 21.0#



#31
 Terphenyl-d14
 Concen: 0.147 ng
 RT: 19.739 min Scan# 1843
 Delta R.T. -0.015 min
 Lab File: BN017656.D
 Acq: 01 Dec 2021 18:27

Tgt Ion:244 Resp: 39186
 Ion Ratio Lower Upper
 244 100
 212 9.2 5.7 8.5#
 122 13.9 8.6 13.0#

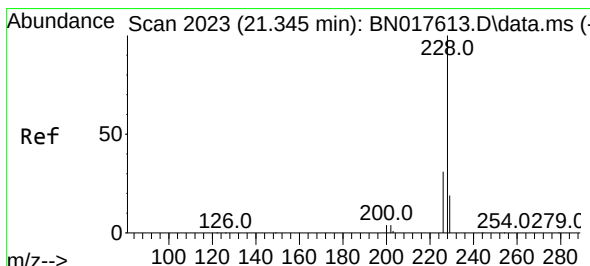
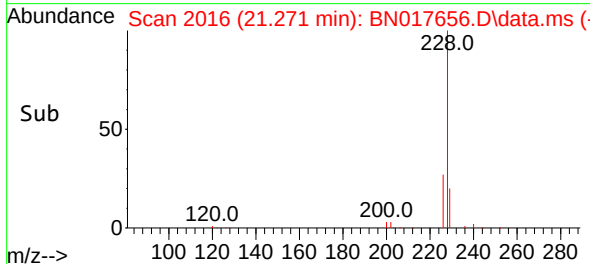
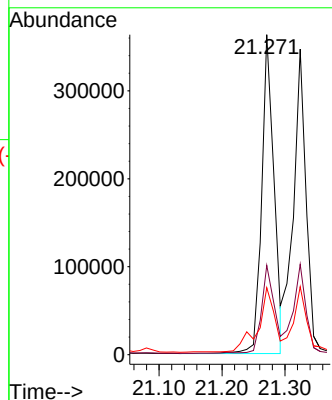
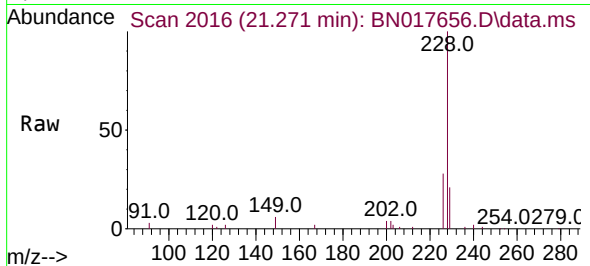




#32
Benzo(a)anthracene
Concen: 1.338 ng
RT: 21.271 min Scan# 20
Delta R.T. -0.021 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

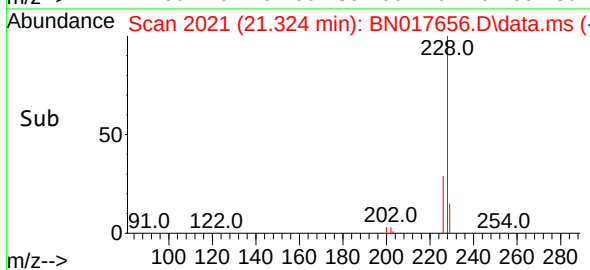
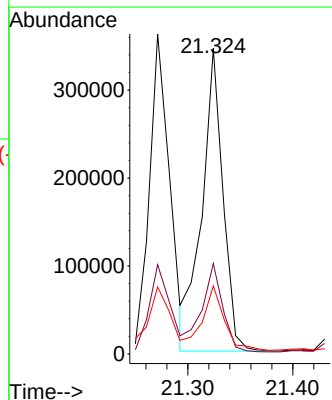
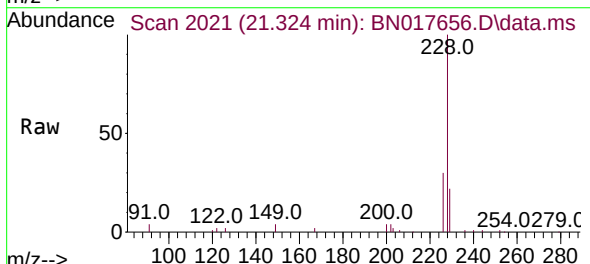
Instrument :
BNA_N
ClientSampleId :
CS-6ADL

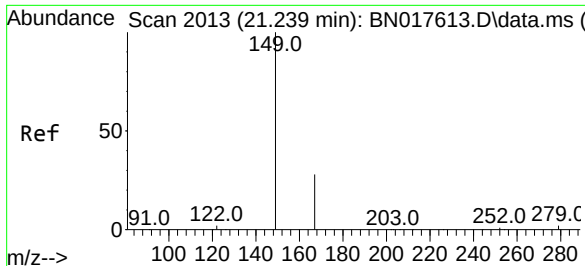
Tgt Ion:228 Resp: 494289
Ion Ratio Lower Upper
228 100
226 27.9 21.3 31.9
229 20.9 15.7 23.5



#33
Chrysene
Concen: 1.191 ng
RT: 21.324 min Scan# 2021
Delta R.T. -0.011 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

Tgt Ion:228 Resp: 478628
Ion Ratio Lower Upper
228 100
226 29.6 23.3 34.9
229 22.3 15.6 23.4

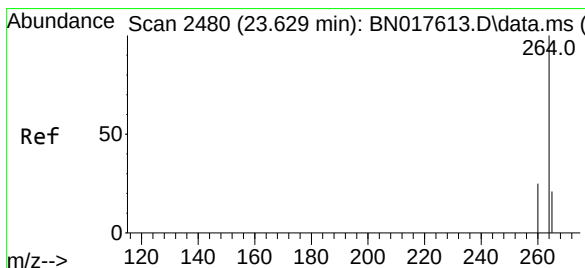
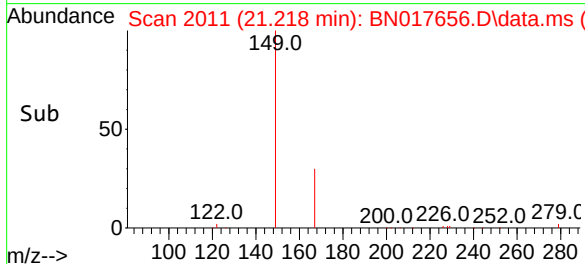
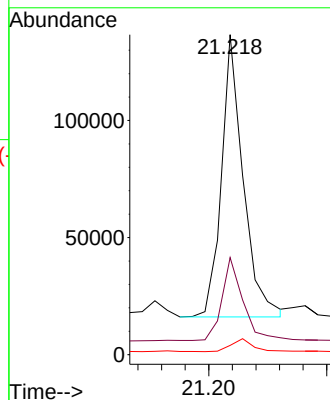
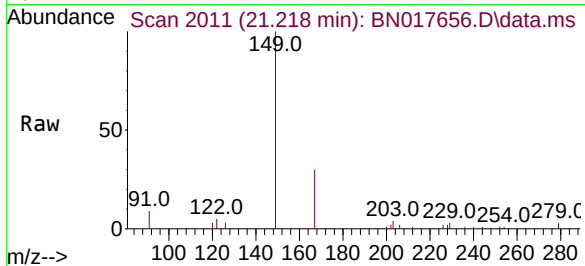




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.758 ng
 RT: 21.218 min Scan# 2011
 Delta R.T. -0.011 min
 Lab File: BN017656.D
 Acq: 01 Dec 2021 18:27

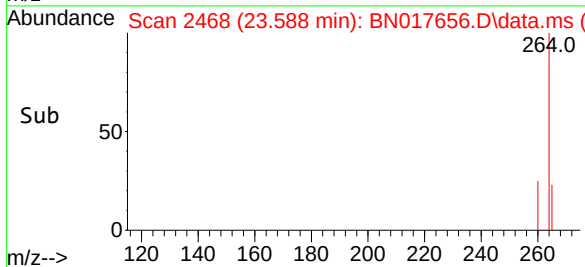
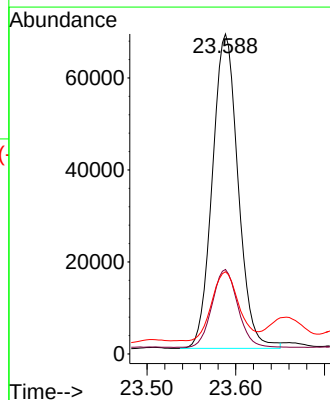
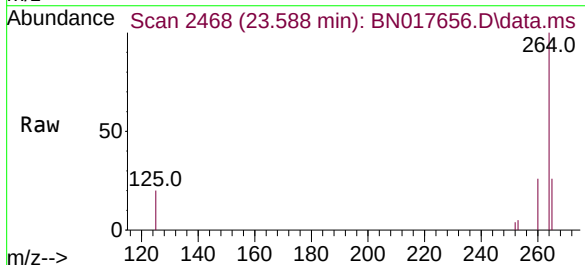
Instrument :
 BNA_N
 ClientSampleId :
 CS-6ADL

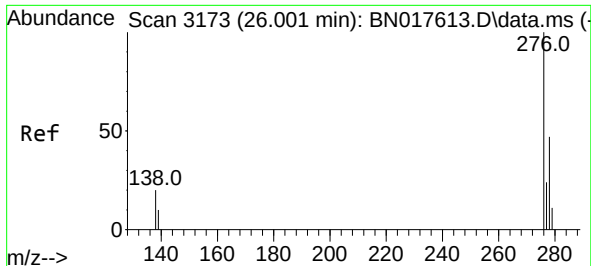
Tgt Ion:149 Resp: 153979
 Ion Ratio Lower Upper
 149 100
 167 29.0 21.8 32.6
 279 4.6 3.4 5.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.588 min Scan# 2468
 Delta R.T. -0.021 min
 Lab File: BN017656.D
 Acq: 01 Dec 2021 18:27

Tgt Ion:264 Resp: 137491
 Ion Ratio Lower Upper
 264 100
 260 26.4 19.4 29.2
 265 25.7 18.6 28.0

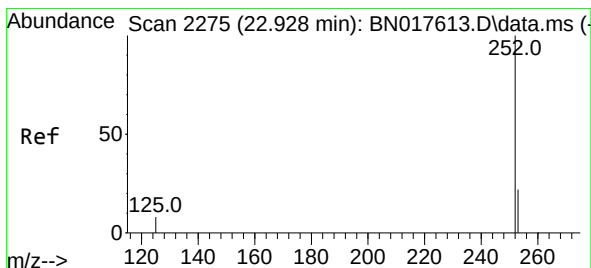
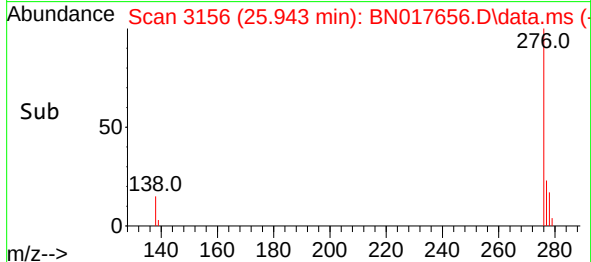
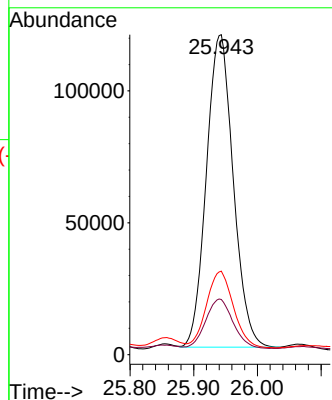
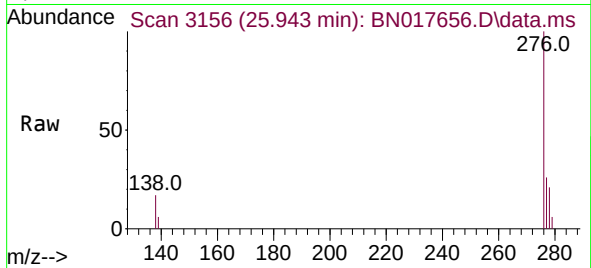




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.777 ng
RT: 25.943 min Scan# 3173
Delta R.T. -0.034 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

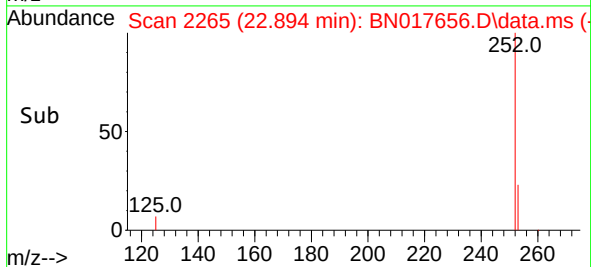
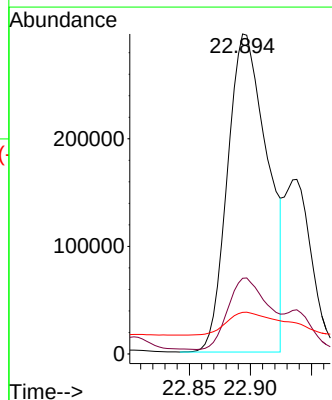
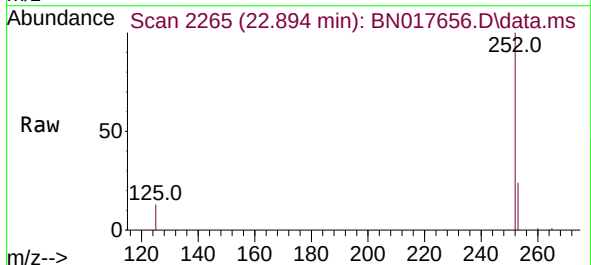
Instrument :
BNA_N
ClientSampleId :
CS-6ADL

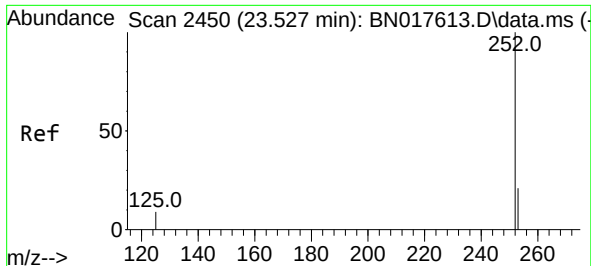
Tgt Ion:276 Resp: 347108
Ion Ratio Lower Upper
276 100
138 16.1 19.7 29.5#
277 24.7 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 1.476 ng
RT: 22.894 min Scan# 2265
Delta R.T. -0.021 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

Tgt Ion:252 Resp: 672794
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 13.0 7.8 11.8#





#39

Benzo(a)pyrene

Concen: 1.131 ng

RT: 23.486 min Scan# 24

Delta R.T. -0.021 min

Lab File: BN017656.D

Acq: 01 Dec 2021 18:27

Instrument :

BNA_N

ClientSampleId :

CS-6ADL

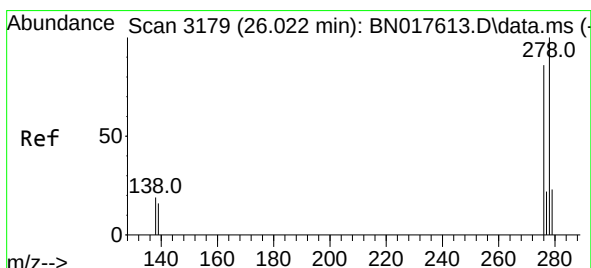
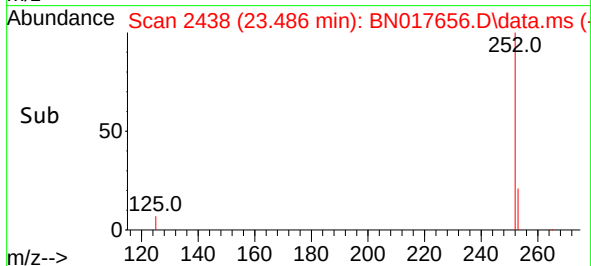
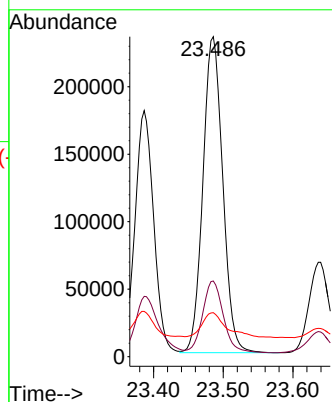
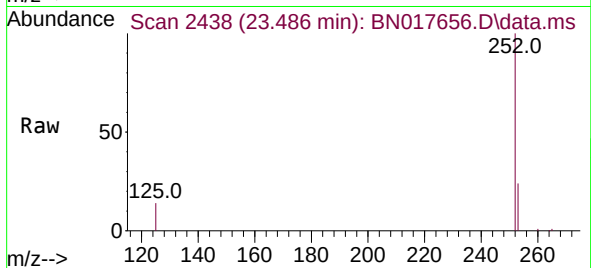
Tgt Ion:252 Resp: 461664

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

125 13.7 9.2 13.8



#40

Dibenzo(a,h)anthracene

Concen: 0.223 ng

RT: 25.950 min Scan# 3158

Delta R.T. -0.048 min

Lab File: BN017656.D

Acq: 01 Dec 2021 18:27

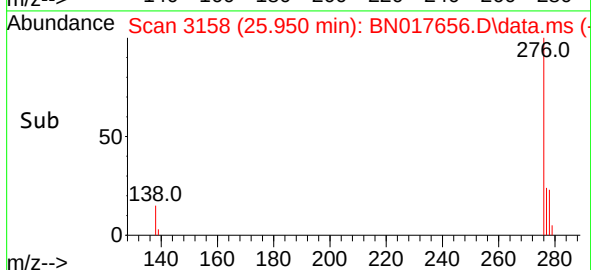
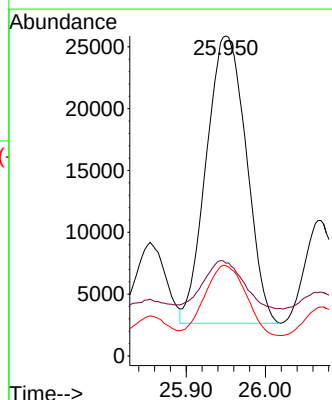
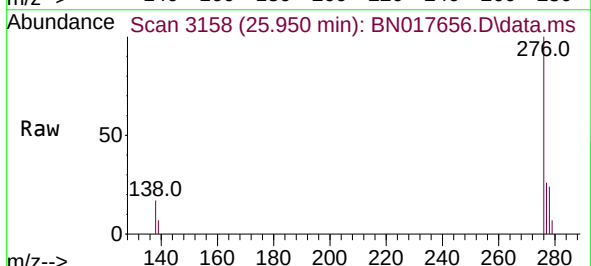
Tgt Ion:278 Resp: 81480

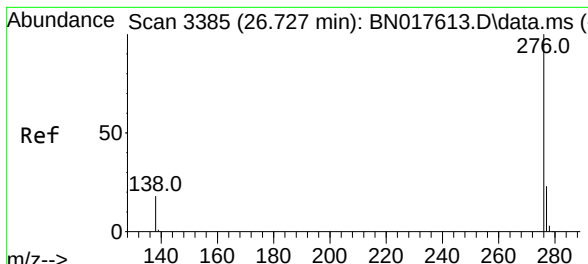
Ion Ratio Lower Upper

278 100

139 29.0 13.0 19.6#

279 28.2 19.2 28.8





#41

Benzo(g,h,i)perylene

Concen: 0.931 ng

RT: 26.666 min Scan# 31

Delta R.T. -0.031 min

Lab File: BN017656.D

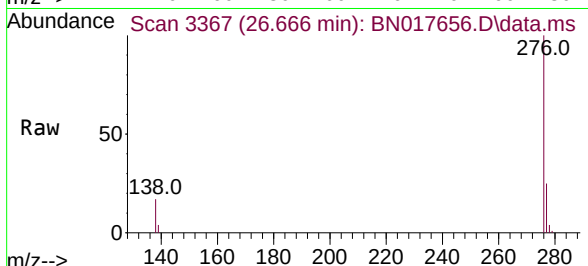
Acq: 01 Dec 2021 18:27

Instrument :

BNA_N

ClientSampleId :

CS-6ADL



Tgt Ion:276 Resp: 349371

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.4

138 17.4 17.1 25.7

