

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082620\
 Data File : BN011647.D
 Acq On : 26 Aug 2020 16:20
 Operator : CG/JU
 Sample : L3768-05MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-3MS

Quant Time: Aug 26 18:21:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 25 03:31:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	2388	0.40	ng	-0.02
7) Naphthalene-d8	10.53	136	9351	0.40	ng	-0.01
13) Acenaphthene-d10	14.38	164	5607	0.40	ng	-0.01
19) Phenanthrene-d10	17.13	188	12032	0.40	ng	-0.01
29) Chrysene-d12	21.32	240	13511	0.40	ng	-0.01
36) Perylene-d12	23.58	264	16507	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	3348	0.44	ng	0.00
5) Phenol-d6	6.91	99	4296	0.40	ng	0.00
8) Nitrobenzene-d5	8.88	82	4891	0.60	ng	-0.03
11) 2-Methylnaphthalene-d10	12.13	152	5738	0.32	ng	-0.01
14) 2,4,6-Tribromophenol	15.88	330	1146	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	12440	0.57	ng	-0.01
27) Fluoranthene-d10	19.17	212	12218	0.31	ng	0.00
31) Terphenyl-d14	19.77	244	19939	0.58	ng	0.00

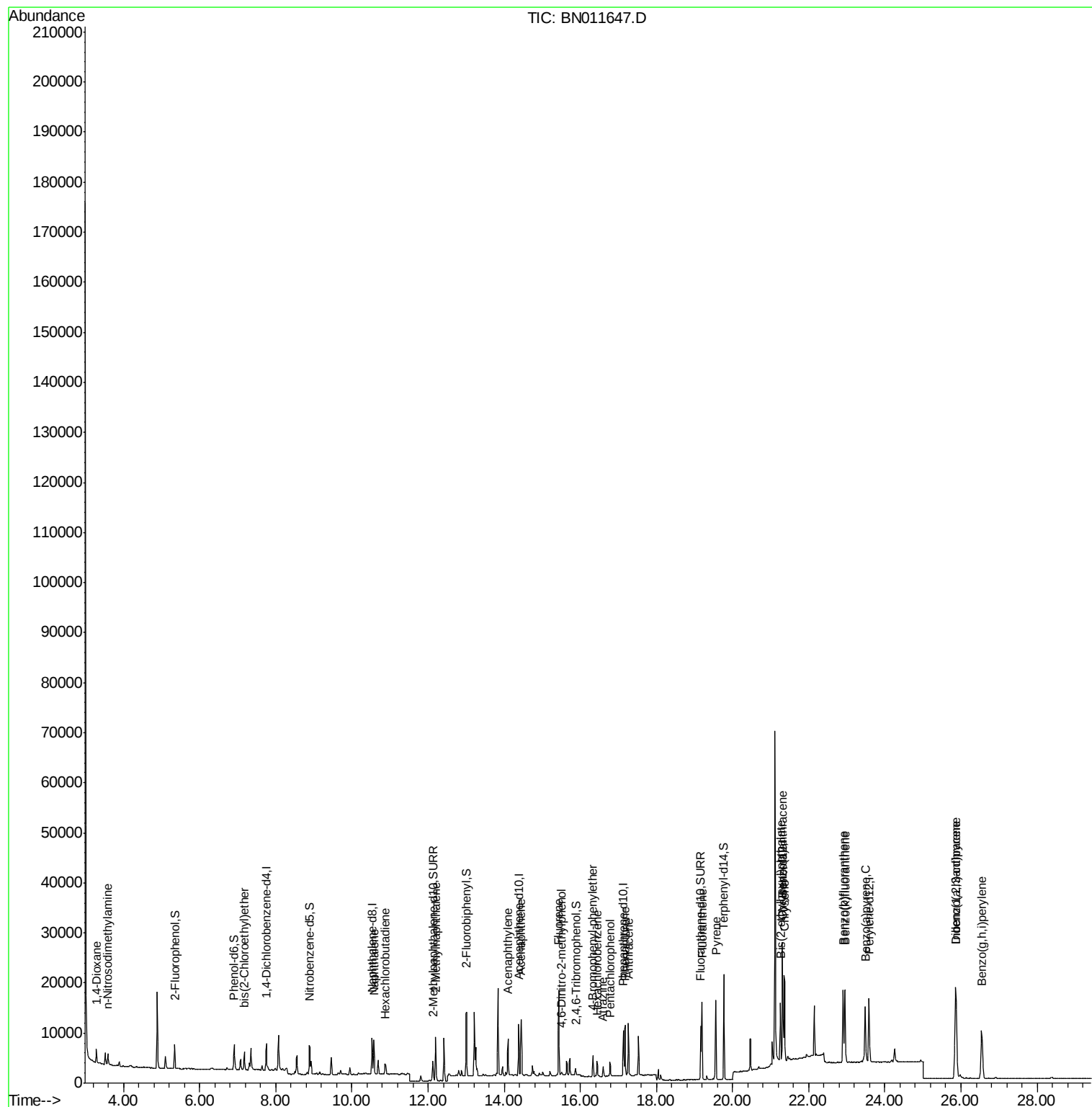
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	1567	0.423	ng	# 1
3) n-Nitrosodimethylamine	3.58	42	1433	0.367	ng	# 94
6) bis(2-Chloroethyl)ether	7.18	93	2476	0.323	ng	97
9) Naphthalene	10.58	128	8336	0.314	ng	95
10) Hexachlorobutadiene	10.87	225	1702	0.306	ng	# 98
12) 2-Methylnaphthalene	12.20	142	5926	0.302	ng	98
16) Acenaphthylene	14.10	152	8085	0.274	ng	99
17) Acenaphthene	14.45	154	5316	0.284	ng	95
18) Fluorene	15.44	166	6952	0.287	ng	98
20) 4,6-Dinitro-2-methylphenol	15.51	198	458	0.330	ng	# 40
21) 4-Bromophenyl-phenylether	16.32	248	2078	0.296	ng	95
22) Hexachlorobenzene	16.43	284	2423	0.299	ng	97
23) Atrazine	16.59	200	1650	0.238	ng	99
24) Pentachlorophenol	16.77	266	1390	0.388	ng	99
25) Phenanthrene	17.18	178	11606	0.310	ng	100
26) Anthracene	17.26	178	10632	0.289	ng	100
28) Fluoranthene	19.20	202	14113	0.312	ng	99
30) Pvrene	19.56	202	14746	0.308	ng	99
32) Benzo(a)anthracene	21.31	228	15967	0.328	ng	99
33) Chrysene	21.35	228	15822	0.341	ng	99
34) Bis(2-ethylhexyl)phthalate	21.26	149	9470	0.259	ng	96
35) Indeno(1,2,3-cd)pyrene	25.85	276	23356	0.412	ng	# 100
37) Benzo(b)fluoranthene	22.90	252	18364	0.307	ng	98
38) Benzo(k)fluoranthene	22.95	252	18663	0.314	ng	97
39) Benzo(a)pyrene	23.48	252	16476	0.296	ng	99
40) Dibenzo(a,h)anthracene	25.87	278	19699	0.338	ng	# 96
41) Benzo(g,h,i)perylene	26.55	276	20484	0.362	ng	97

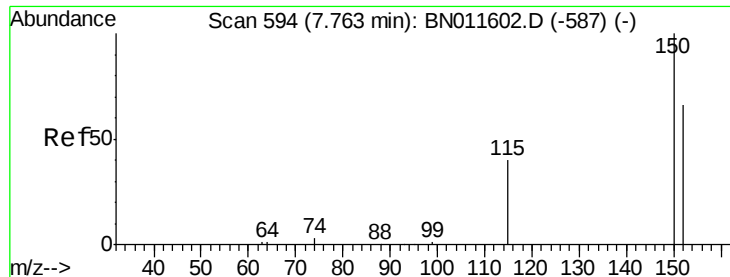
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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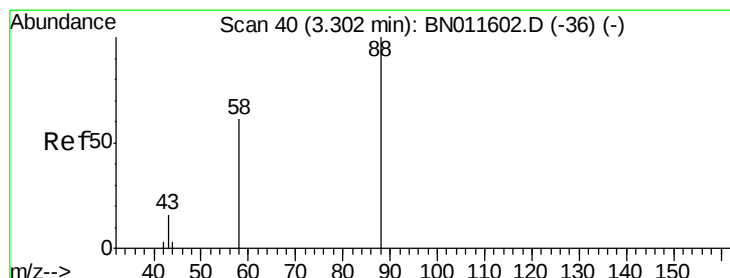
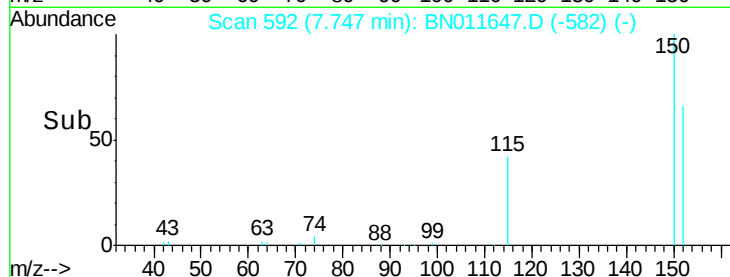
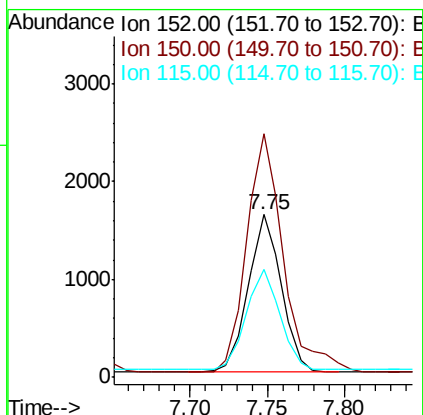
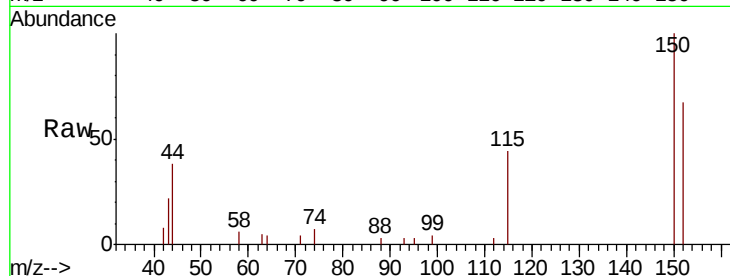


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.75 min Scan# 592
Delta R.T. -0.02 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

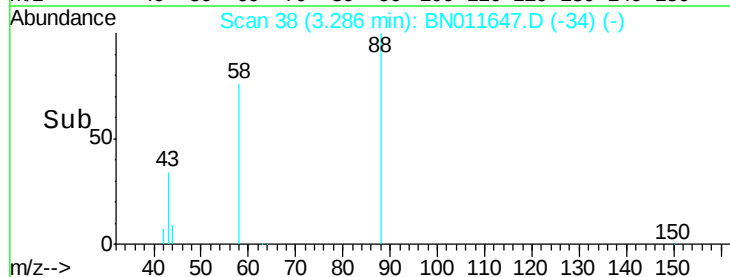
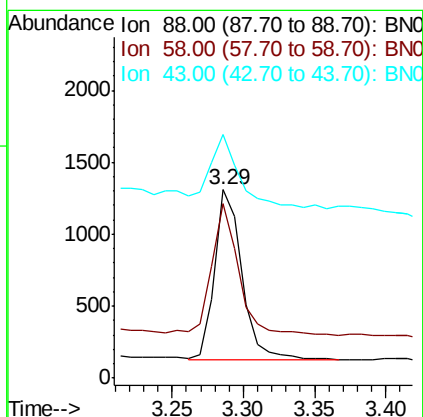
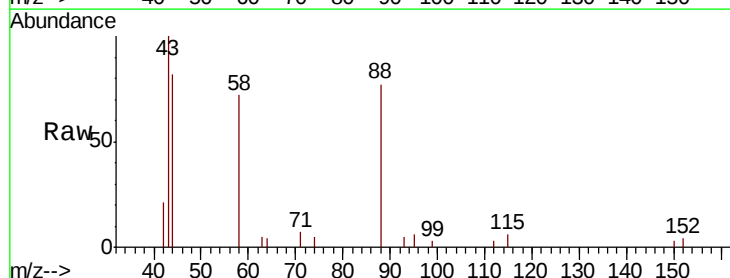
Tot Ion:152 Resp: 2388
Ion Ratio Lower Upper
152 100
150 149.8 112.4 168.6
115 66.4 56.9 85.3

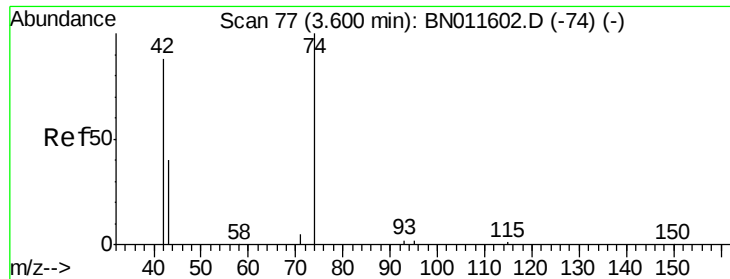


#2

1,4-Dioxane
Concen: 0.423 ng
RT: 3.29 min Scan# 38
Delta R.T. -0.02 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion: 88 Resp: 1567
Ion Ratio Lower Upper
88 100
58 75.3 3.0 4.4#
43 49.2 0.0 0.0#





#3

n-Nitrosodimethylamine

Concen: 0.367 ng

RT: 3.58 min Scan# 75

Delta R.T. -0.02 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampleId :

CS-3MS

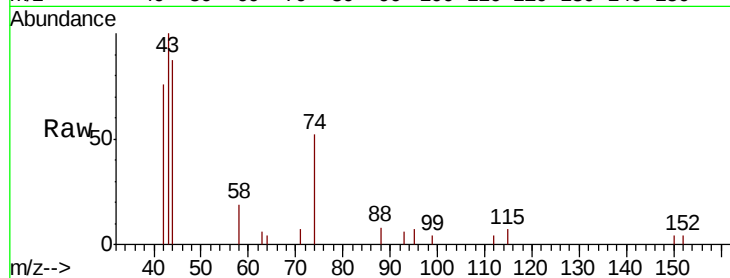
Tot Ion: 42 Resp: 1433

Ion Ratio Lower Upper

42 100

74 101.9 0.0 0.0#

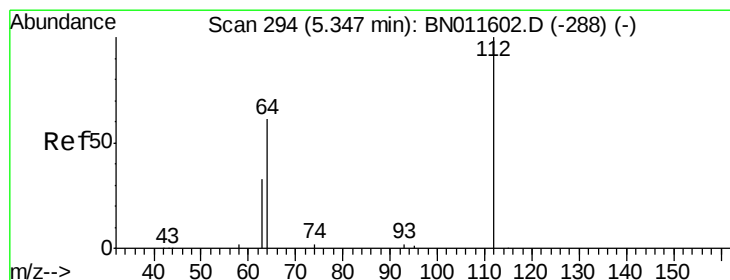
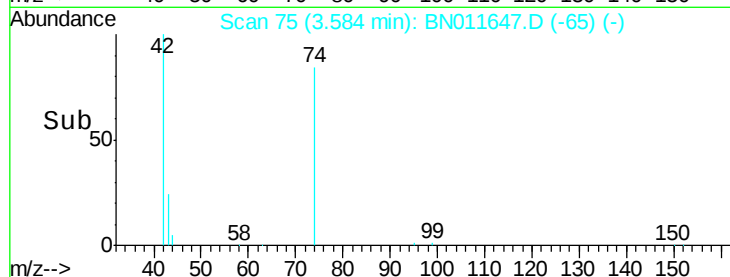
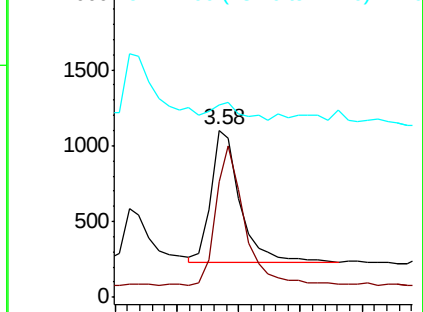
44 12.4 8.2 12.4#



Abundance Ion 42.00 (41.70 to 42.70): BN011602.D (-74) (-)

Ion 74.00 (73.70 to 74.70): BN011602.D (-74) (-)

Ion 44.00 (43.70 to 44.70): BN011602.D (-74) (-)



#4

2-Fluorophenol

Concen: 0.438 ng

RT: 5.34 min Scan# 293

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

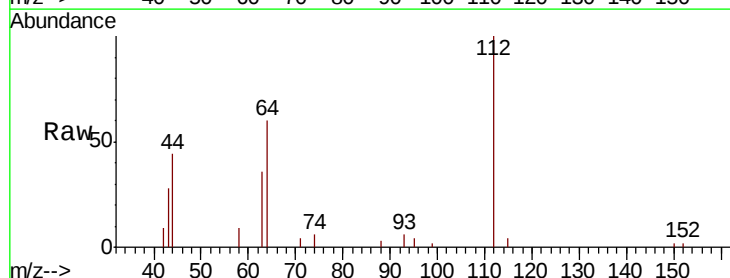
Tgt Ion: 112 Resp: 3348

Ion Ratio Lower Upper

112 100

64 61.4 49.6 74.4

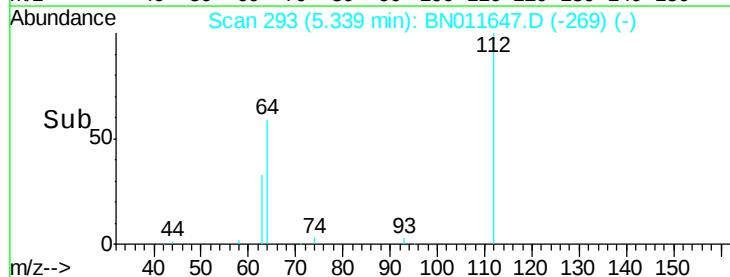
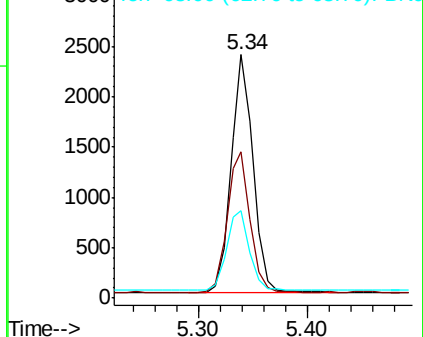
63 35.3 26.4 39.6

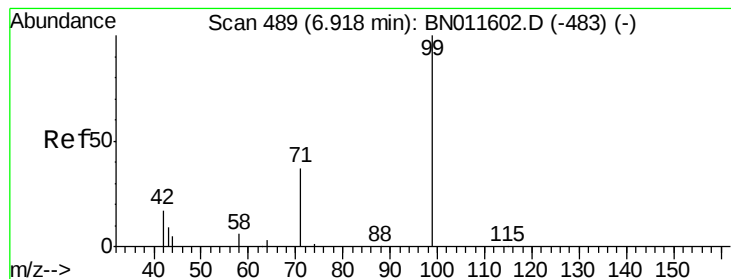


Abundance Ion 112.00 (111.70 to 112.70): BN011602.D (-288) (-)

Ion 64.00 (63.70 to 64.70): BN011602.D (-288) (-)

Ion 63.00 (62.70 to 63.70): BN011602.D (-288) (-)





#5

Phenol-d6

Concen: 0.398 ng

RT: 6.91 min Scan# 488

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampleId :

CS-3MS

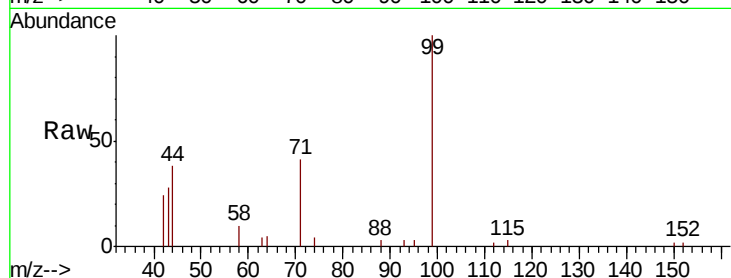
Tot Ion: 99 Resp: 4296

Ion Ratio Lower Upper

99 100

42 24.0 0.0 0.0#

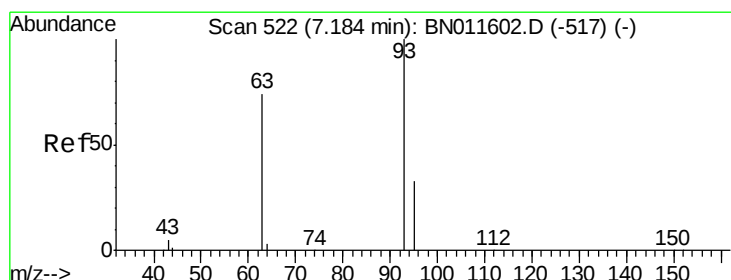
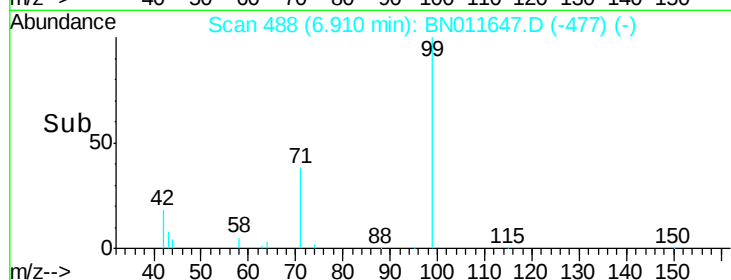
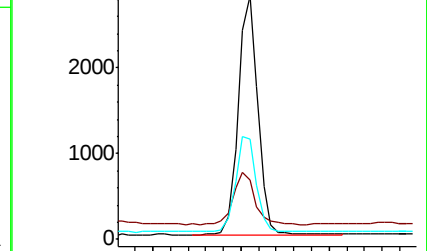
71 41.5 0.0 0.0#



Abundance Ion 99.00 (98.70 to 99.70): BN011647.D (-477) (-)

Ion 42.00 (41.70 to 42.70): BN011647.D (-477) (-)

Ion 71.00 (70.70 to 71.70): BN011647.D (-477) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.323 ng

RT: 7.18 min Scan# 521

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

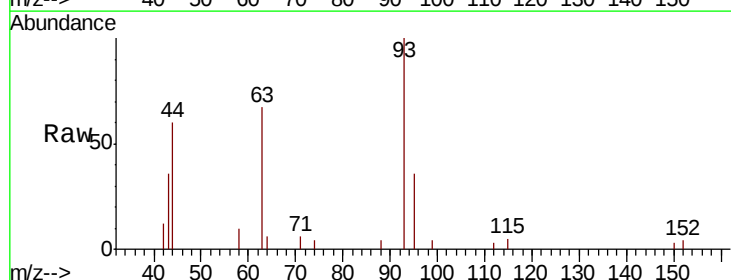
Tgt Ion: 93 Resp: 2476

Ion Ratio Lower Upper

93 100

63 74.8 57.8 86.8

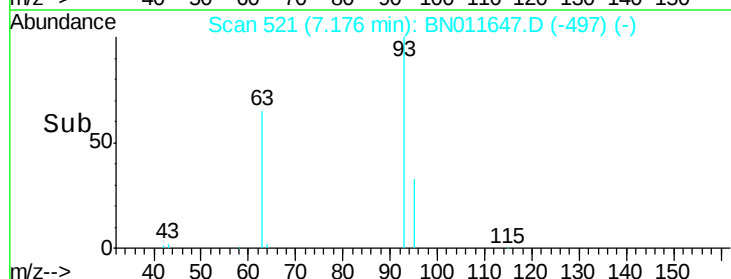
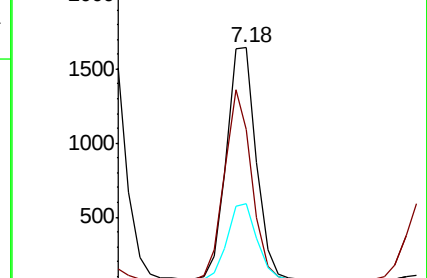
95 33.0 28.3 42.5

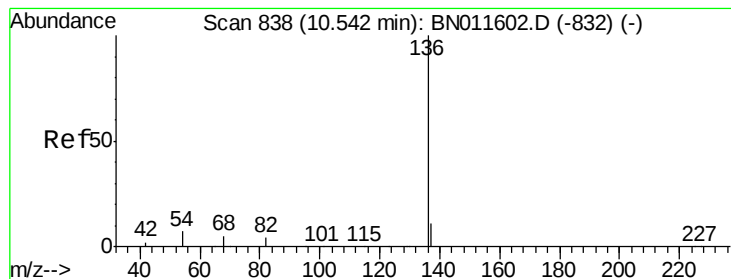


Abundance Ion 93.00 (92.70 to 93.70): BN011647.D (-497) (-)

Ion 63.00 (62.70 to 63.70): BN011647.D (-497) (-)

Ion 95.00 (94.70 to 95.70): BN011647.D (-497) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.53 min Scan# 837

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampleId :

CS-3MS

Tot Ion:136 Resp: 9351

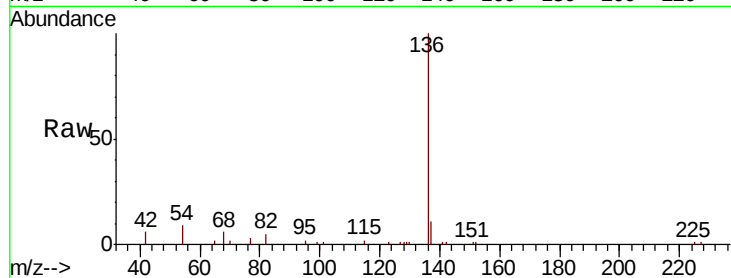
Ion Ratio Lower Upper

136 100

137 11.4 11.5 17.3#

54 8.6 11.9 17.9#

68 6.2 12.3 18.5#

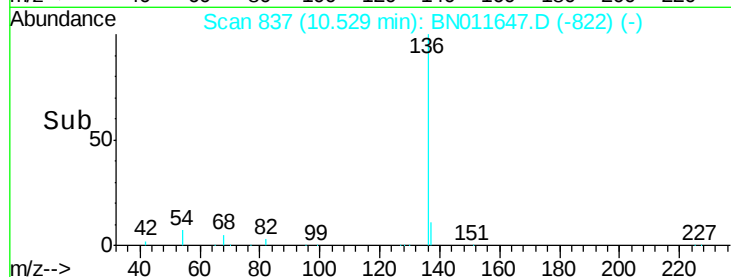


Abundance Ion 136.00 (135.70 to 136.70): E

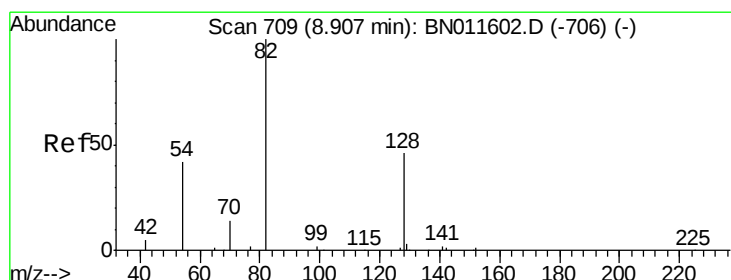
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



Time-->



#8

Nitrobenzene-d5

Concen: 0.604 ng

RT: 8.88 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

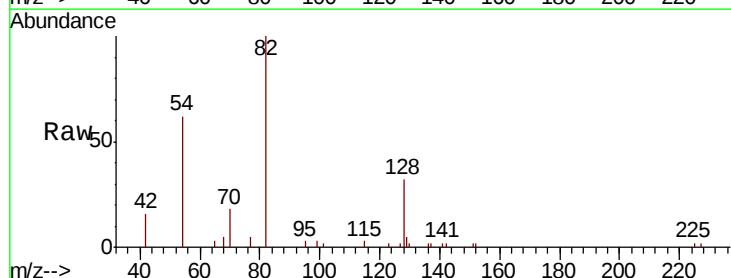
Tgt Ion: 82 Resp: 4891

Ion Ratio Lower Upper

82 100

128 31.5 31.1 46.7

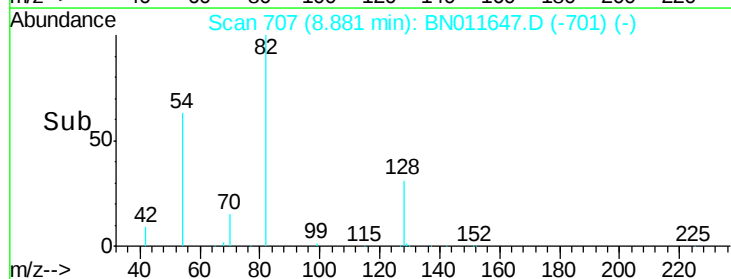
54 62.1 37.1 55.7#



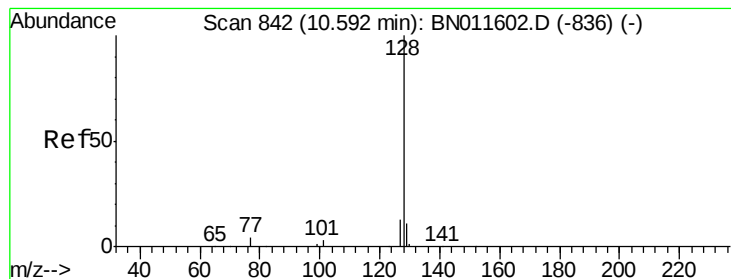
Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC



Time-->



#9

Naphthalene

Concen: 0.314 ng

RT: 10.58 min Scan# 841

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampleId :

CS-3MS

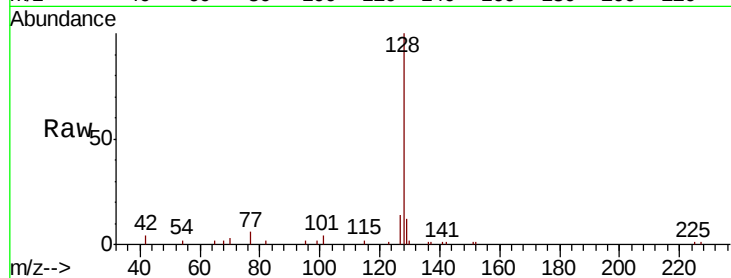
Tot Ion:128 Resp: 8336

Ion Ratio Lower Upper

128 100

129 12.1 11.0 16.4

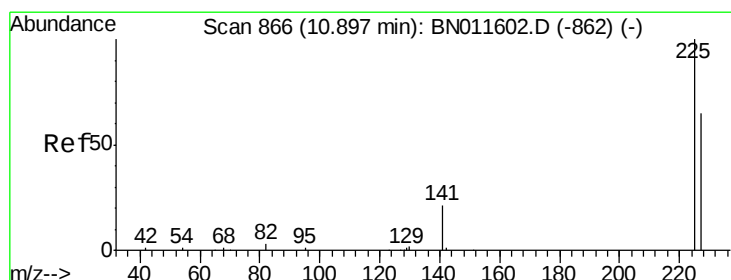
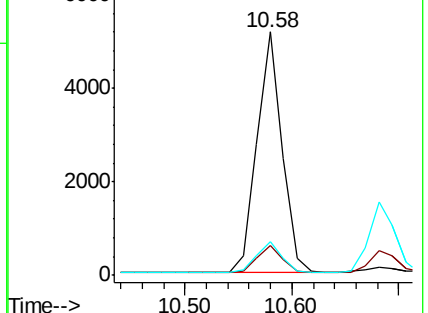
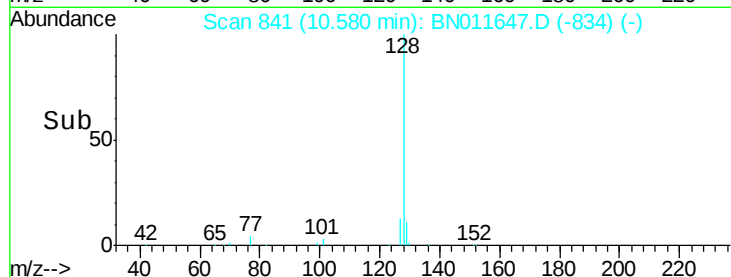
127 14.1 13.5 20.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.306 ng

RT: 10.87 min Scan# 864

Delta R.T. -0.03 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

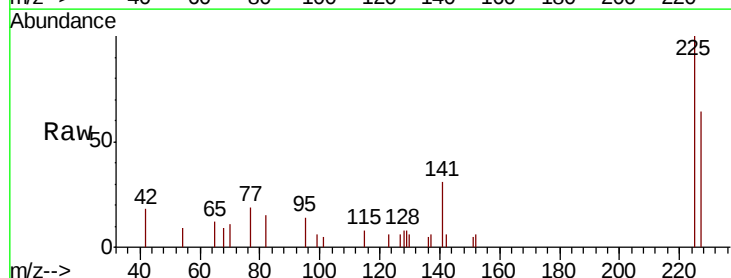
Tgt Ion:225 Resp: 1702

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

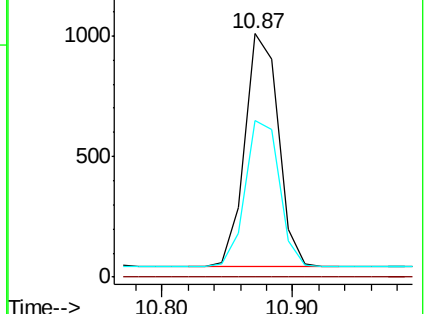
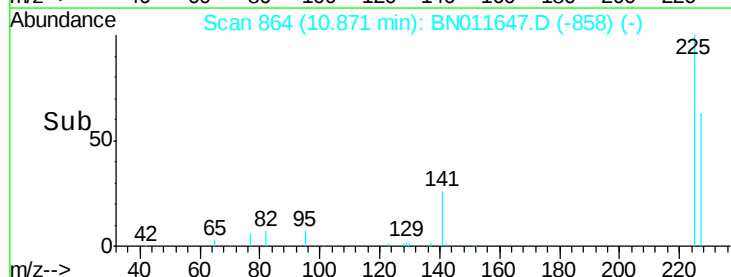
227 64.0 50.2 75.2

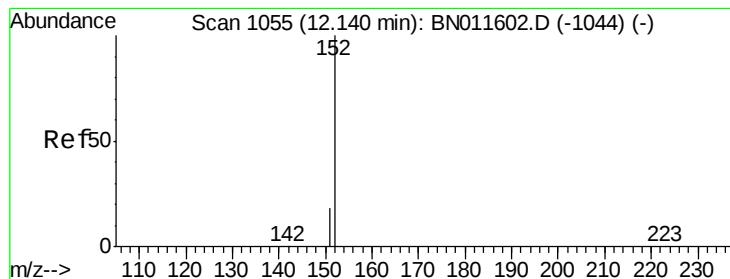


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.324 ng

RT: 12.13 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampleId :

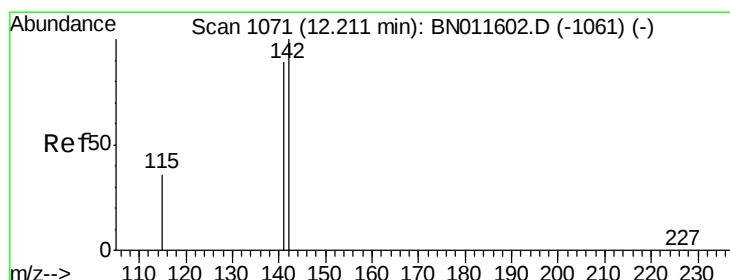
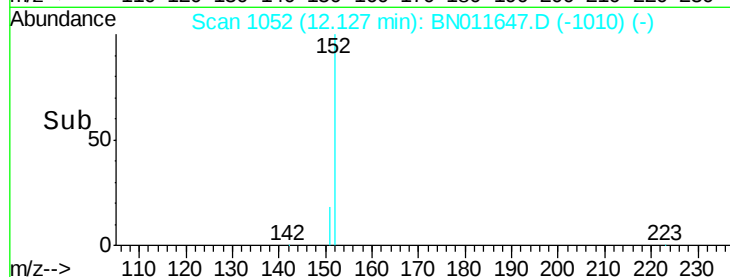
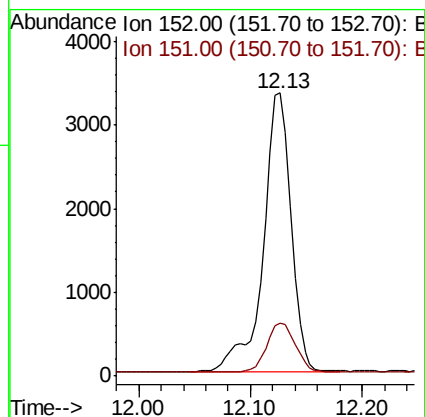
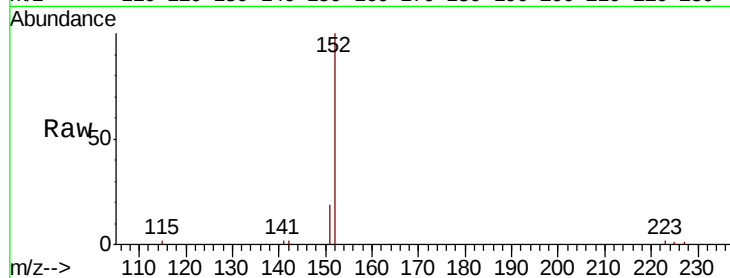
CS-3MS

Tot Ion:152 Resp: 5738

Ion Ratio Lower Upper

152 100

151 17.7 16.4 24.6



#12

2-Methylnaphthalene

Concen: 0.302 ng

RT: 12.20 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

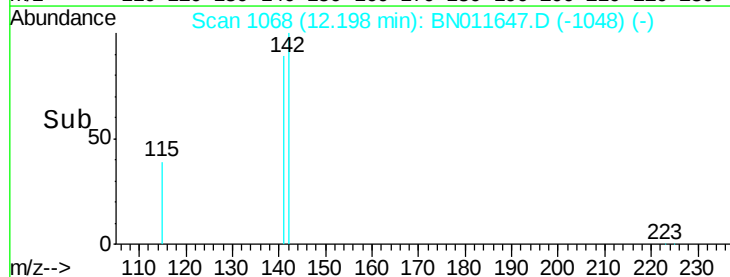
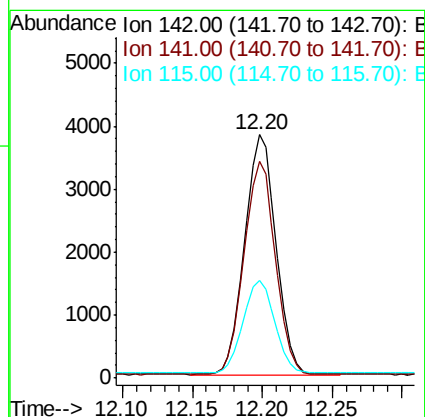
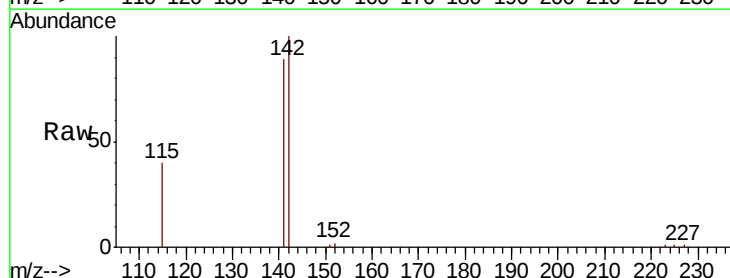
Tgt Ion:142 Resp: 5926

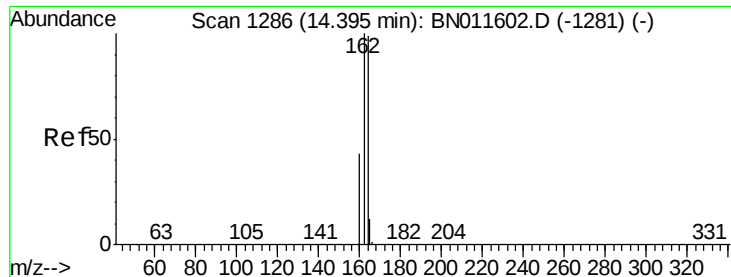
Ion Ratio Lower Upper

142 100

141 88.9 72.7 109.1

115 40.4 32.7 49.1





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.38 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampleId :

CS-3MS

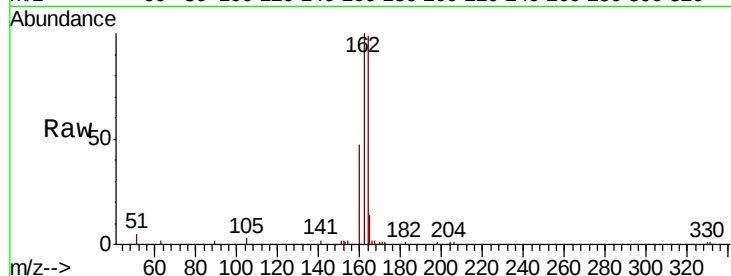
Tot Ion:164 Resp: 5607

Ion Ratio Lower Upper

164 100

162 100.9 80.8 121.2

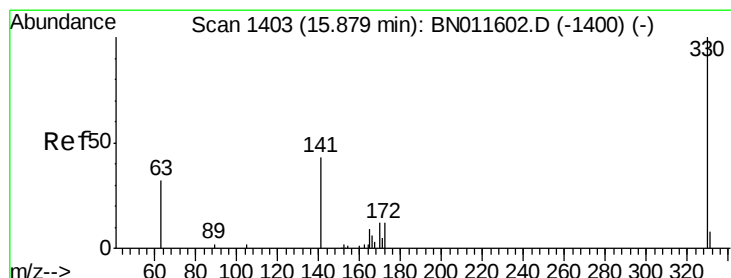
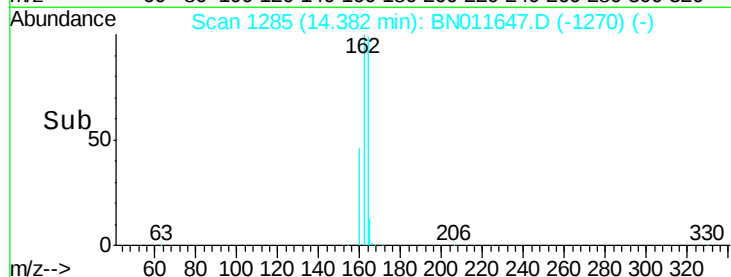
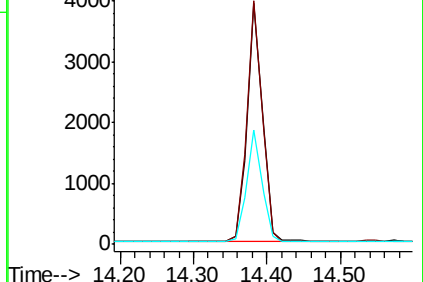
160 47.3 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.372 ng

RT: 15.88 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

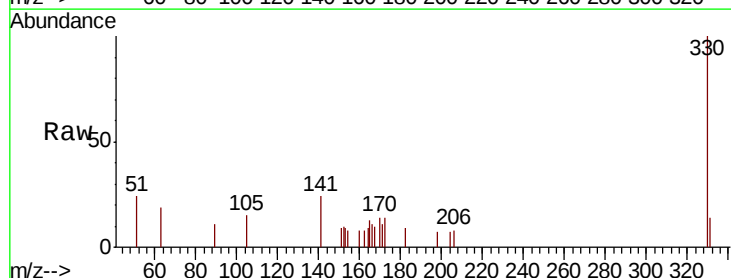
Tgt Ion:330 Resp: 1146

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

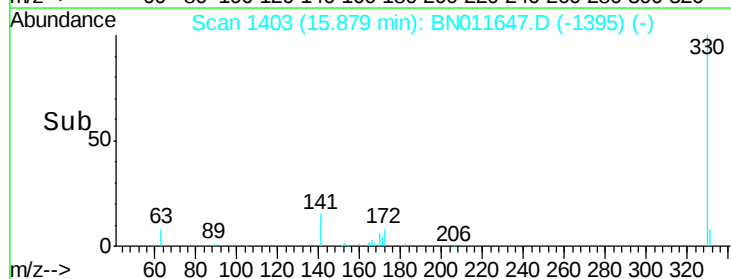
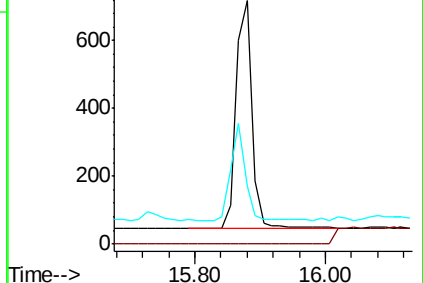
141 38.5 29.4 44.2

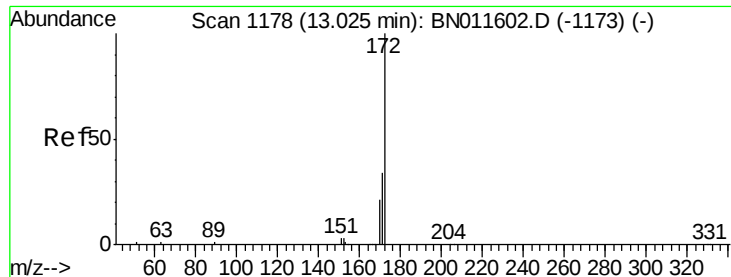


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

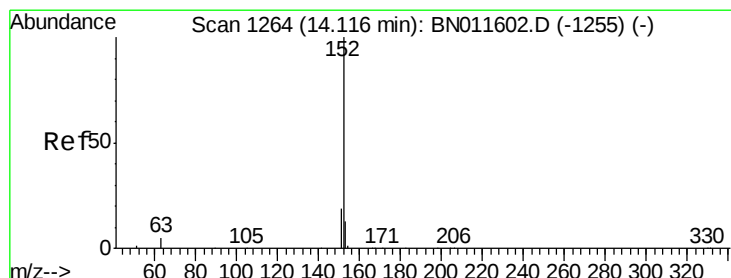
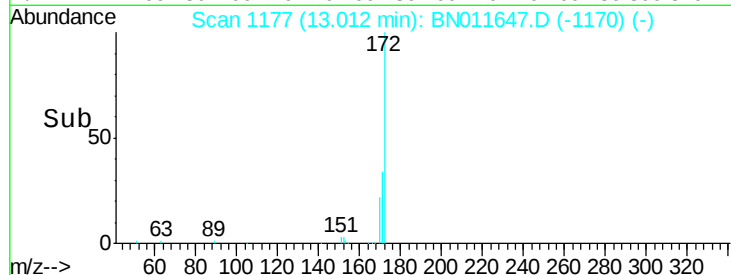
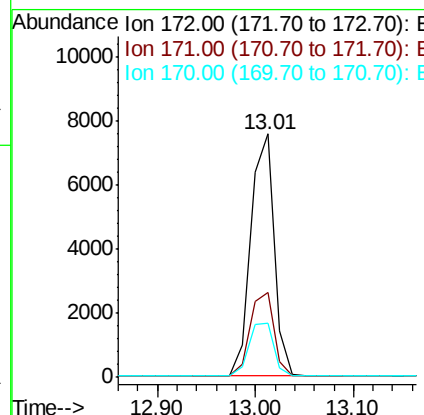
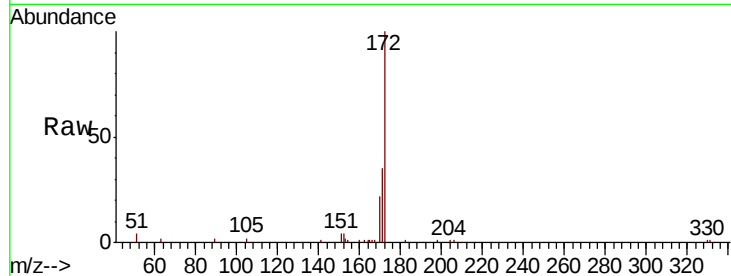




#15
2-Fluorobiphenyl
Concen: 0.570 ng
RT: 13.01 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

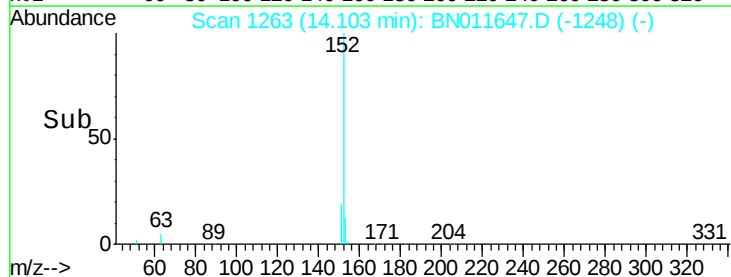
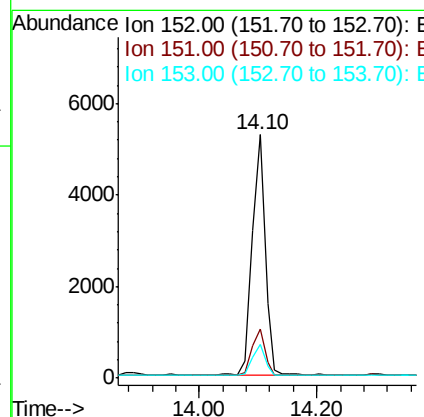
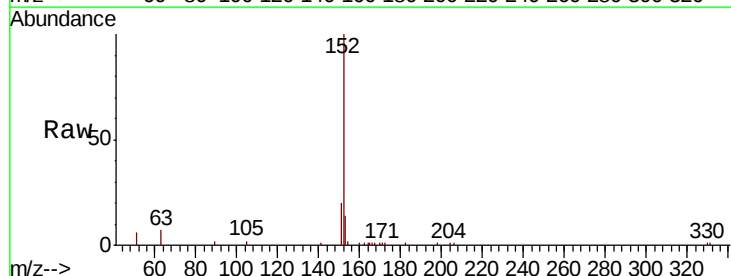
Instrument :
BNA_N
ClientSampleId :
CS-3MS

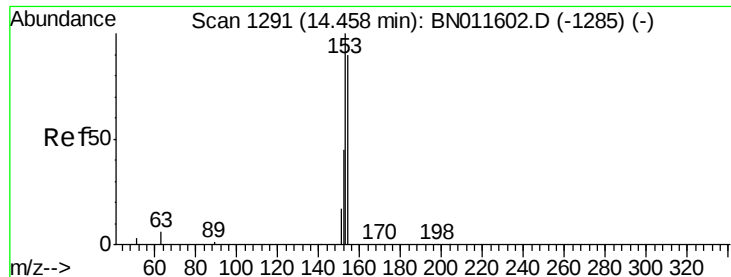
Tot Ion:172 Resp: 12440
Ion Ratio Lower Upper
172 100
171 34.6 28.6 42.8
170 22.2 18.2 27.2



#16
Acenaphthylene
Concen: 0.274 ng
RT: 14.10 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:152 Resp: 8085
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 13.0 11.0 16.4





#17

Acenaphthene

Concen: 0.284 ng

RT: 14.45 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampleId :

CS-3MS

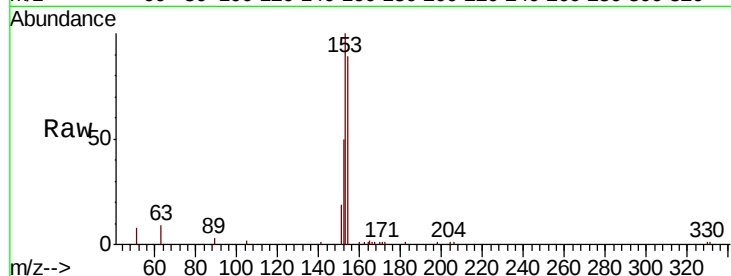
Tot Ion:154 Resp: 5316

Ion Ratio Lower Upper

154 100

153 113.0 86.6 130.0

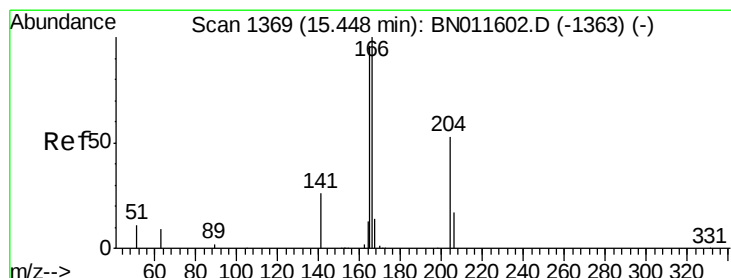
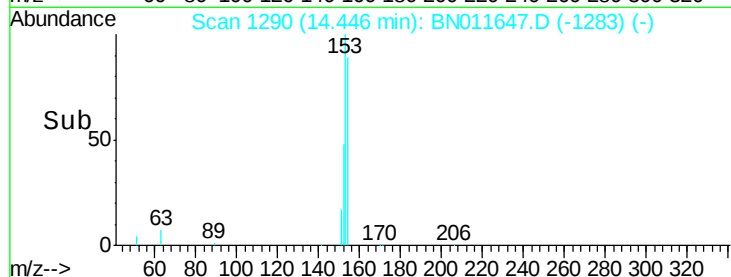
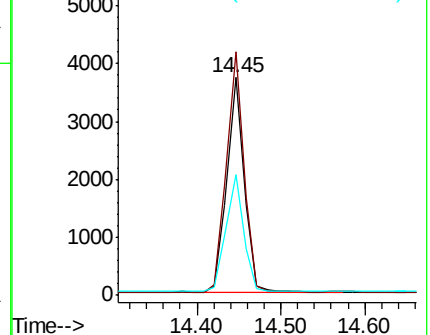
152 55.2 40.1 60.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.287 ng

RT: 15.44 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

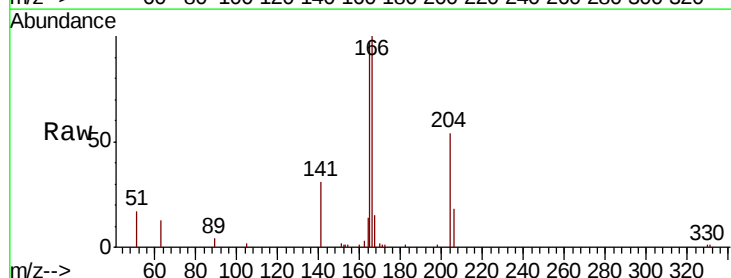
Tgt Ion:166 Resp: 6952

Ion Ratio Lower Upper

166 100

165 98.2 77.4 116.2

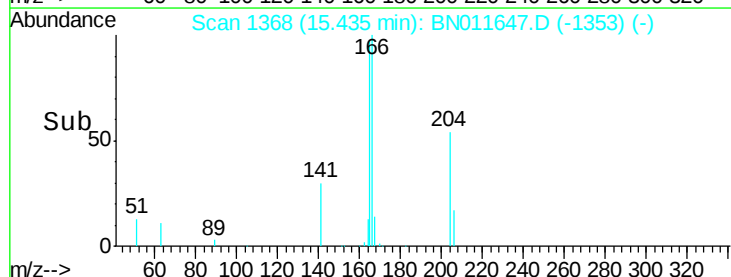
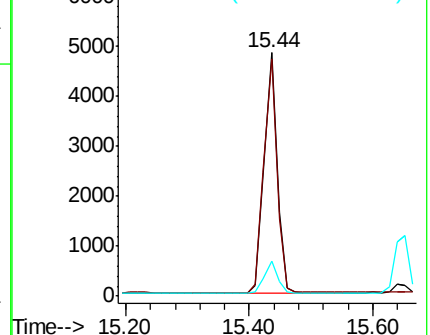
167 13.1 11.5 17.3

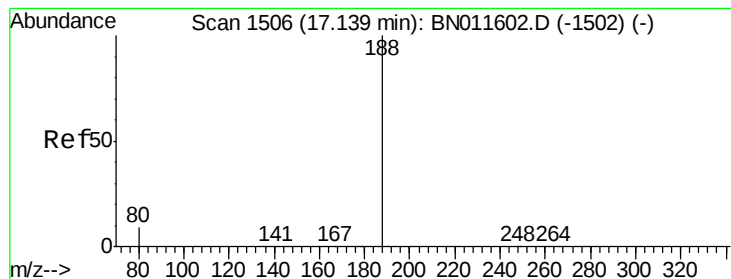


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.13 min Scan# 1505

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampled :

CS-3MS

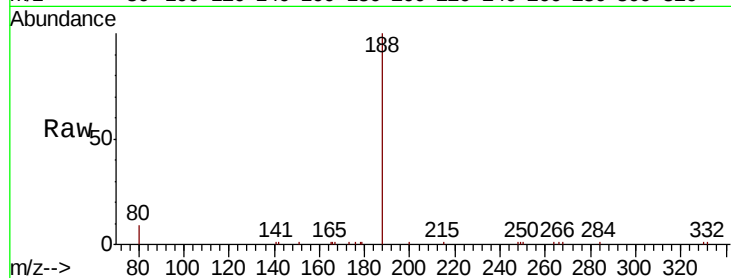
Tot Ion:188 Resp: 12032

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

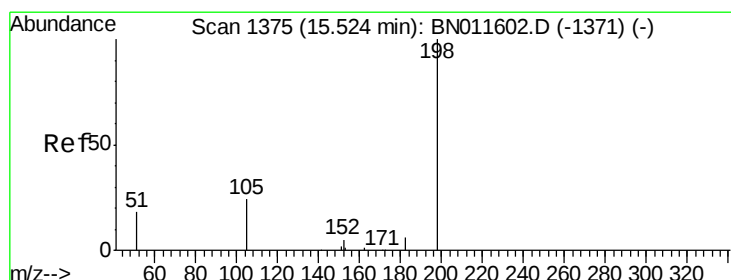
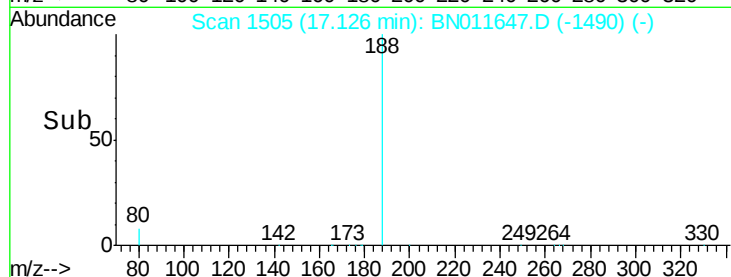
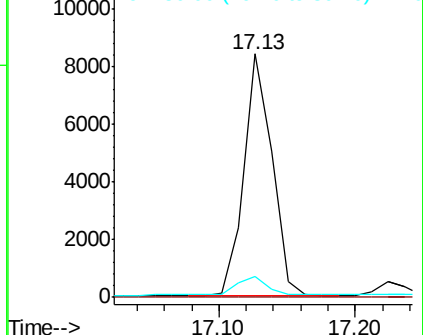
80 8.6 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4,6-Dinitro-2-methylphenol

Concen: 0.330 ng

RT: 15.51 min Scan# 1374

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

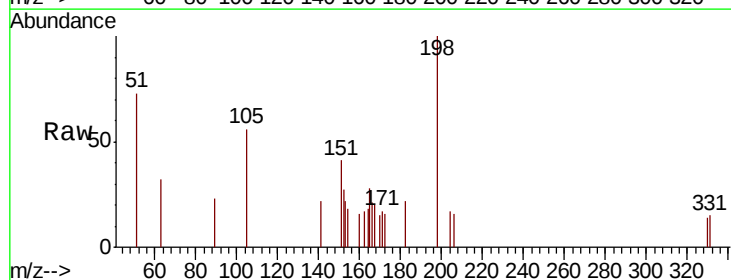
Tgt Ion:198 Resp: 458

Ion Ratio Lower Upper

198 100

51 73.2 99.6 149.4#

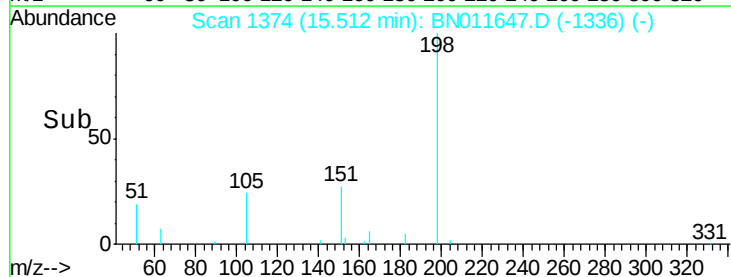
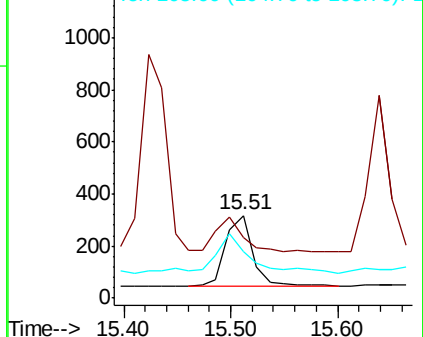
105 56.2 118.8 178.2#

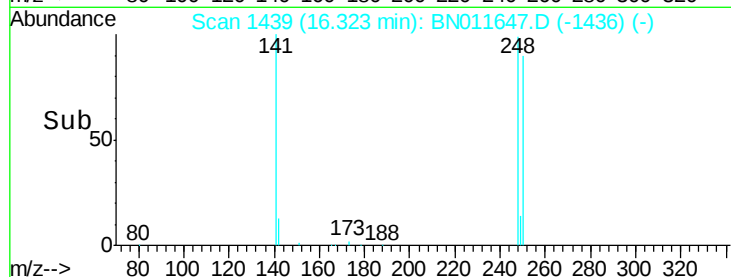
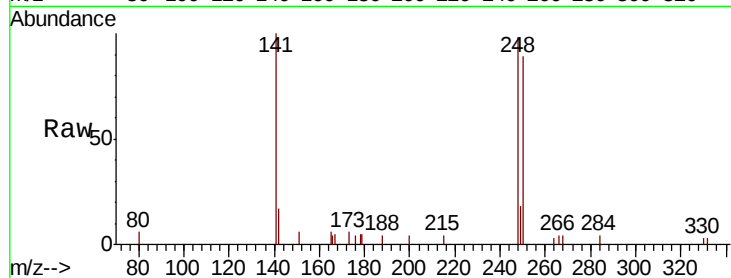
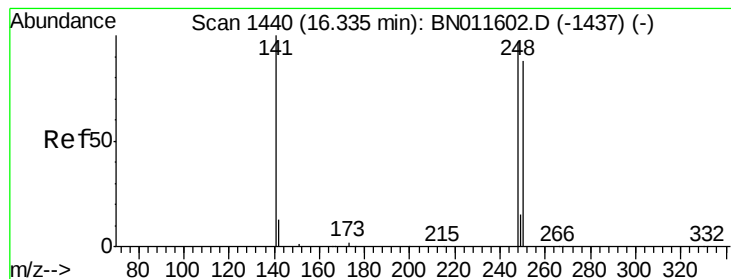


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNO

Ion 105.00 (104.70 to 105.70): E





#21

4-Bromophenyl-phenylether

Concen: 0.296 ng

RT: 16.32 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampleId :

CS-3MS

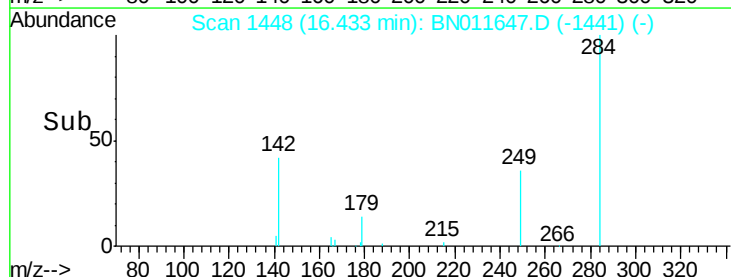
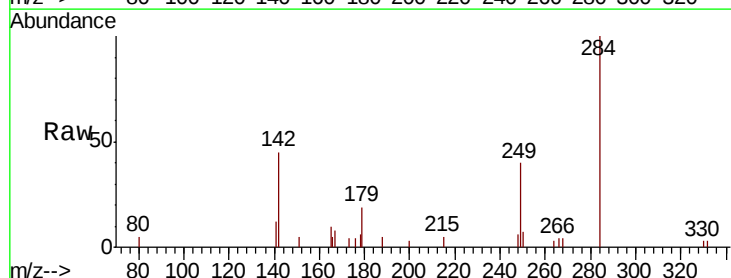
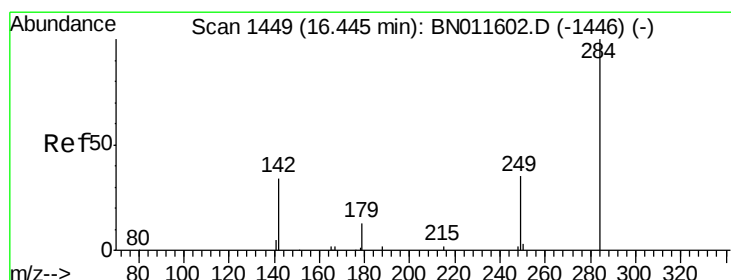
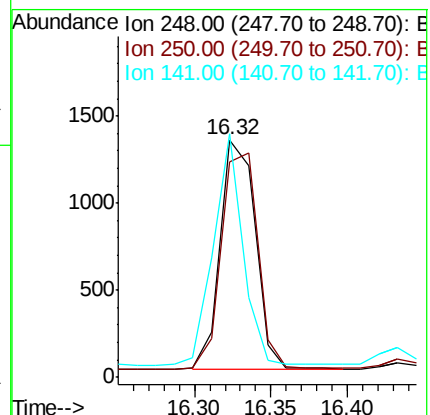
Tot Ion:248 Resp: 2078

Ion Ratio Lower Upper

248 100

250 90.8 73.4 110.2

141 102.4 88.5 132.7



#22

Hexachlorobenzene

Concen: 0.299 ng

RT: 16.43 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

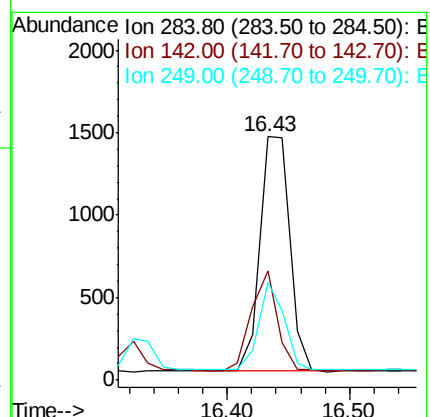
Tgt Ion:284 Resp: 2423

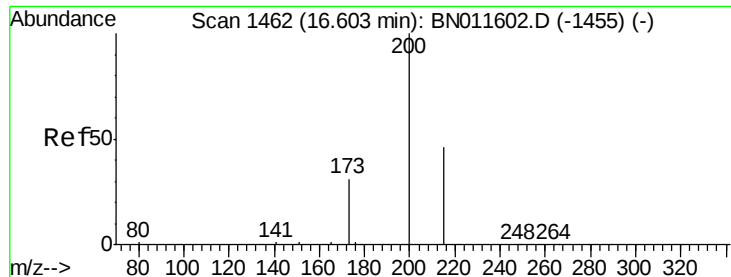
Ion Ratio Lower Upper

284 100

142 36.8 27.3 40.9

249 32.0 25.2 37.8





#23

Atrazine

Concen: 0.238 ng

RT: 16.59 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampleId :

CS-3MS

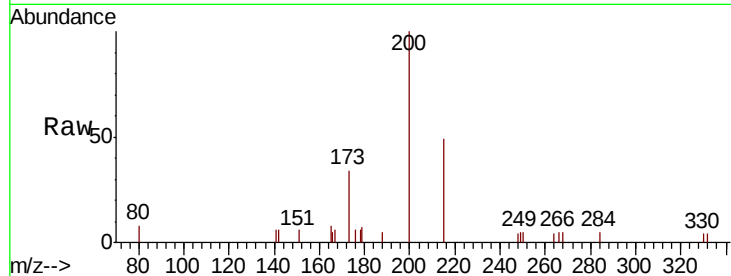
Tot Ion:200 Resp: 1650

Ion Ratio Lower Upper

200 100

173 33.9 28.2 42.4

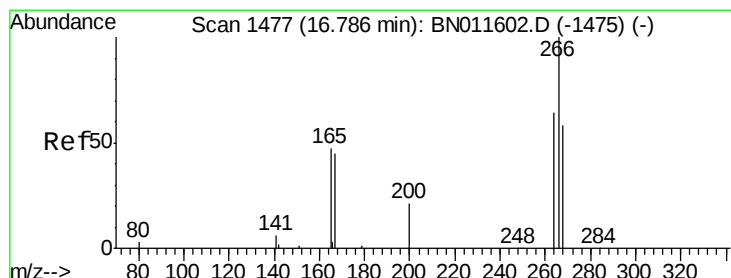
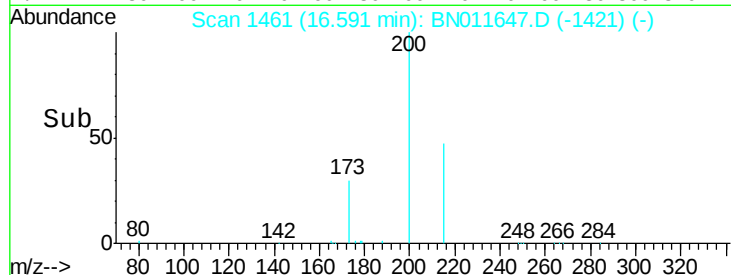
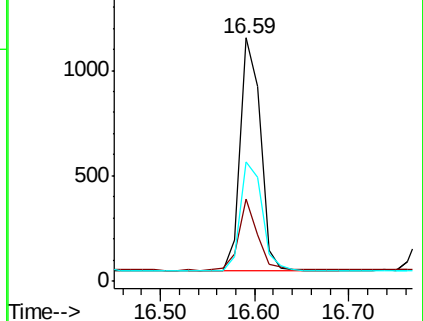
215 49.3 39.8 59.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#24

Pentachlorophenol

Concen: 0.388 ng

RT: 16.77 min Scan# 1476

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

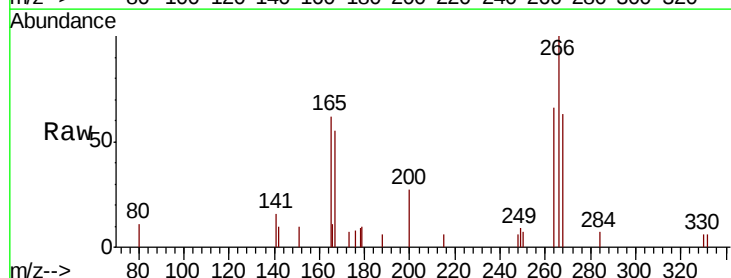
Tgt Ion:266 Resp: 1390

Ion Ratio Lower Upper

266 100

264 60.9 48.1 72.1

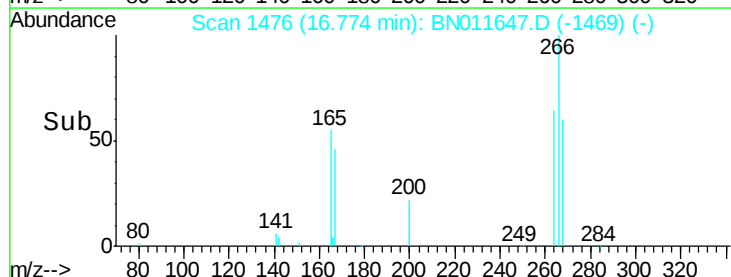
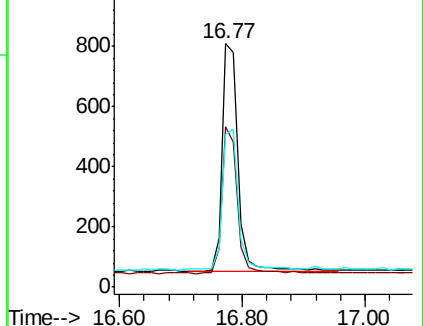
268 61.4 48.4 72.6

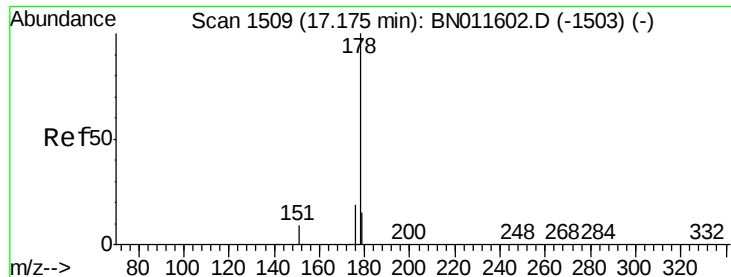


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Phenanthrene

Concen: 0.310 ng

RT: 17.18 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampleId :

CS-3MS

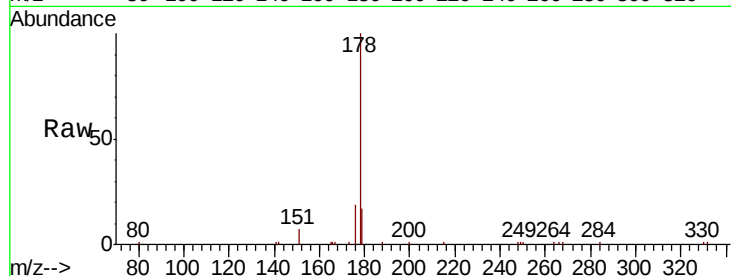
Tot Ion:178 Resp: 11606

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

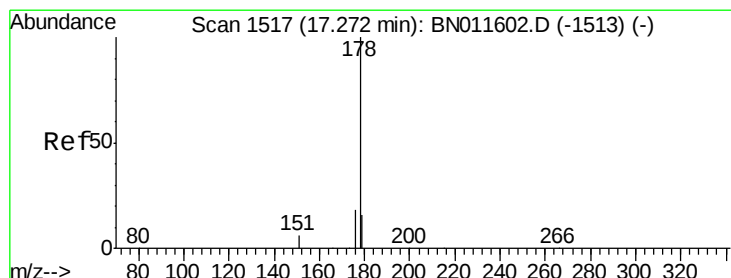
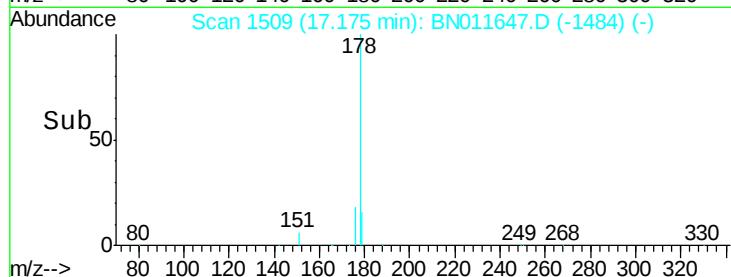
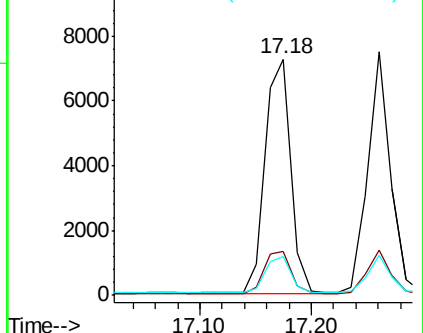
179 15.9 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#26

Anthracene

Concen: 0.289 ng

RT: 17.26 min Scan# 1516

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

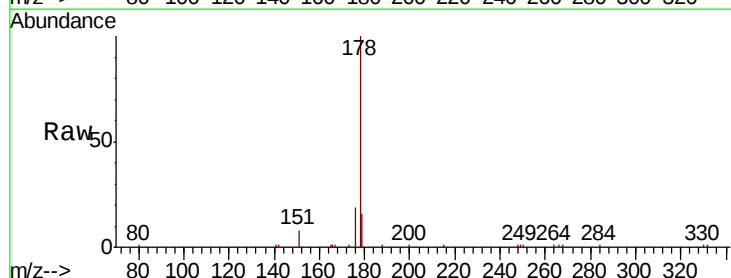
Tgt Ion:178 Resp: 10632

Ion Ratio Lower Upper

178 100

176 18.1 14.6 21.8

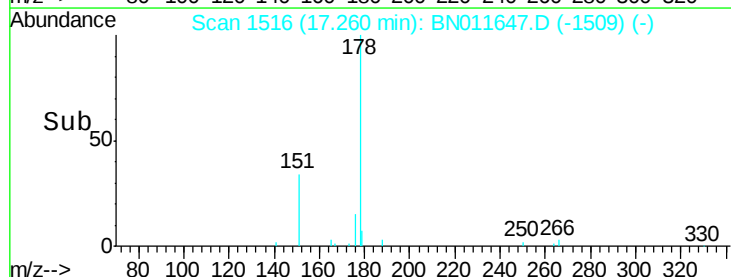
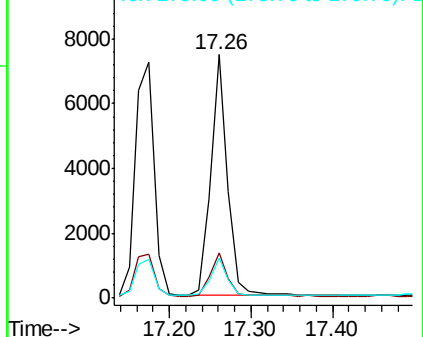
179 15.4 12.5 18.7

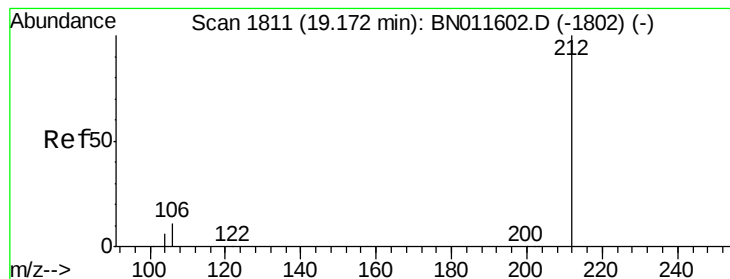


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#27

Fluoranthene-d10

Concen: 0.312 ng

RT: 19.17 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampleId :

CS-3MS

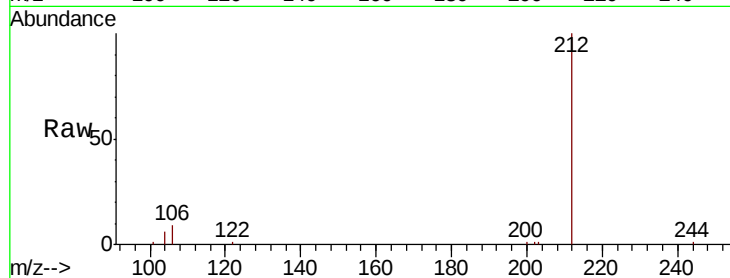
Tot Ion:212 Resp: 12218

Ion Ratio Lower Upper

212 100

106 9.9 8.9 13.3

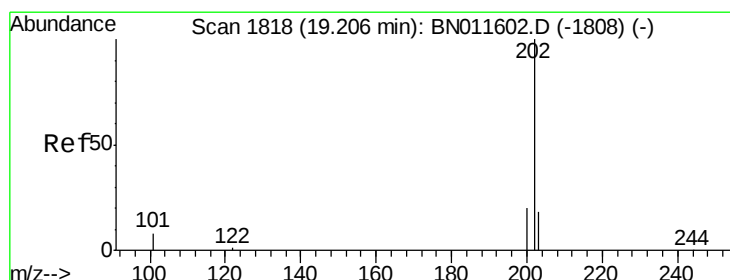
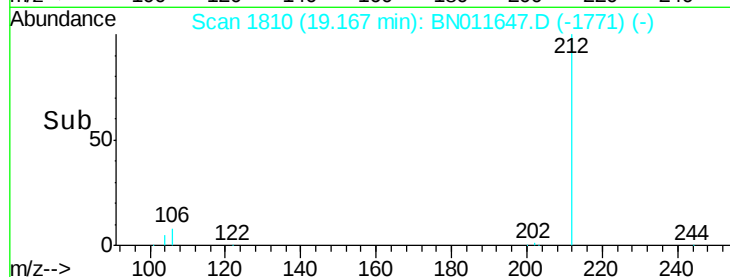
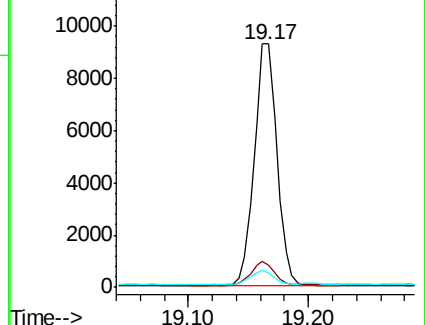
104 5.9 5.3 7.9



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#28

Fluoranthene

Concen: 0.312 ng

RT: 19.20 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

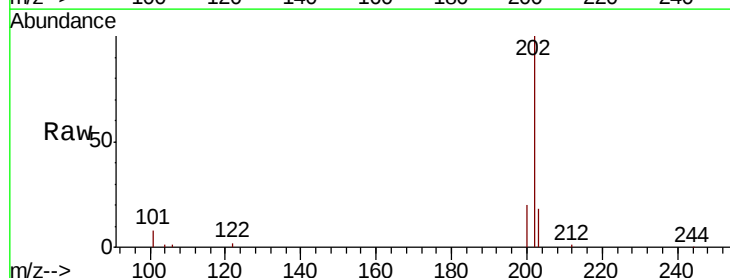
Tgt Ion:202 Resp: 14113

Ion Ratio Lower Upper

202 100

101 8.7 7.7 11.5

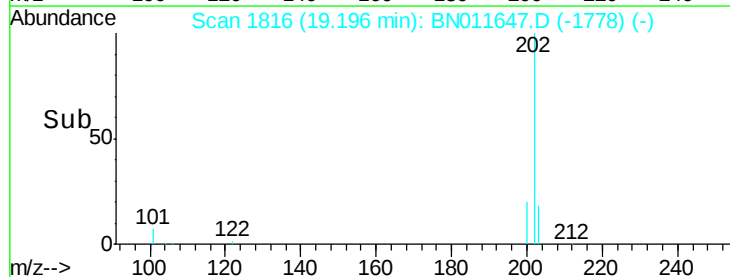
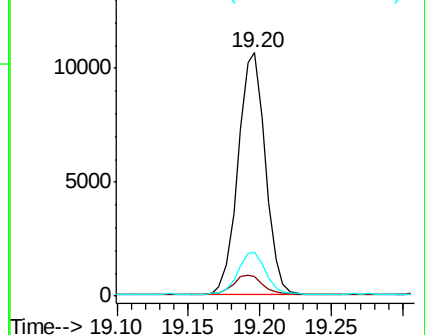
203 17.4 13.9 20.9

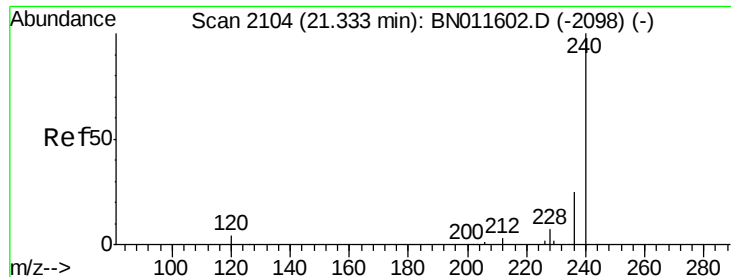


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.32 min Scan# 2103

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampleId :

CS-3MS

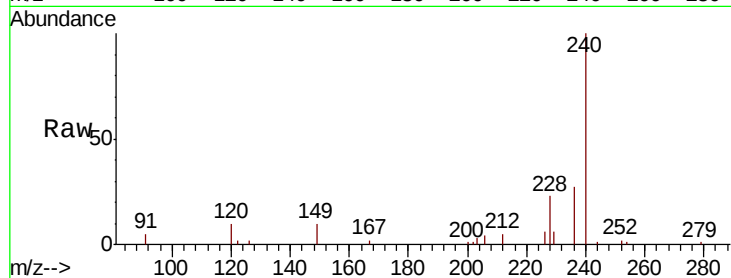
Tot Ion:240 Resp: 13511

Ion Ratio Lower Upper

240 100

120 9.8 6.0 9.0#

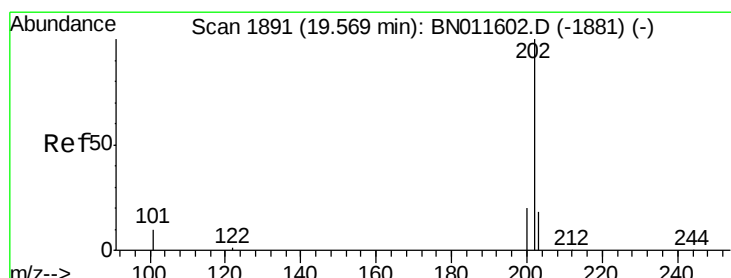
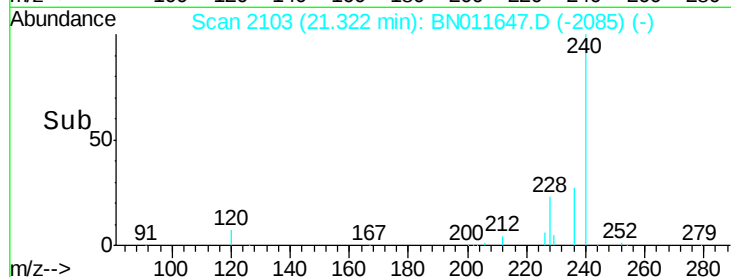
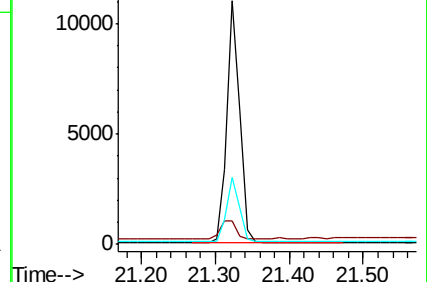
236 27.3 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#30

Pyrene

Concen: 0.308 ng

RT: 19.56 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

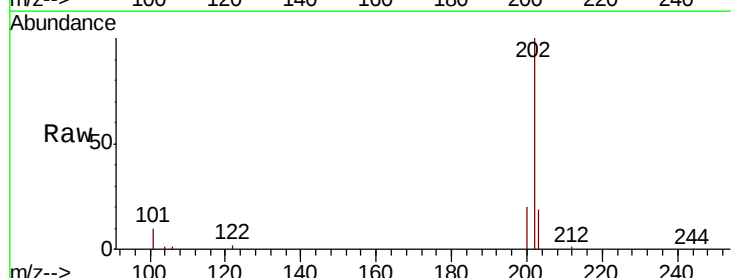
Tgt Ion:202 Resp: 14746

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

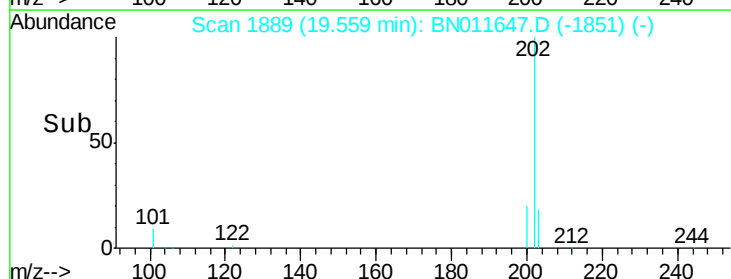
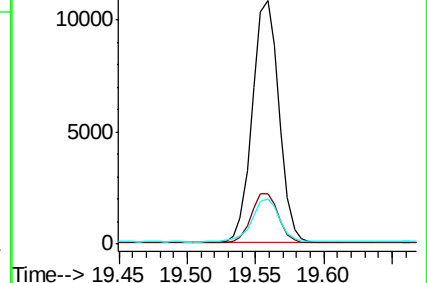
203 18.4 14.2 21.4

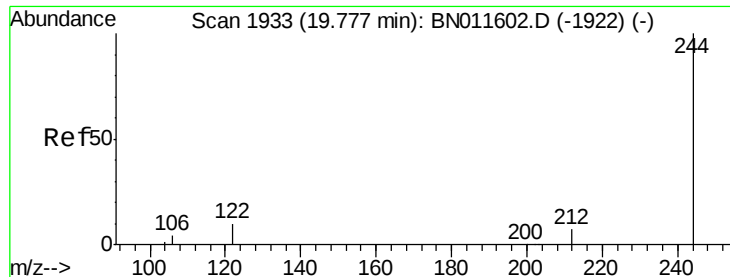


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Terphenyl-d14

Concen: 0.578 ng

RT: 19.77 min Scan# 1931

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampleId :

CS-3MS

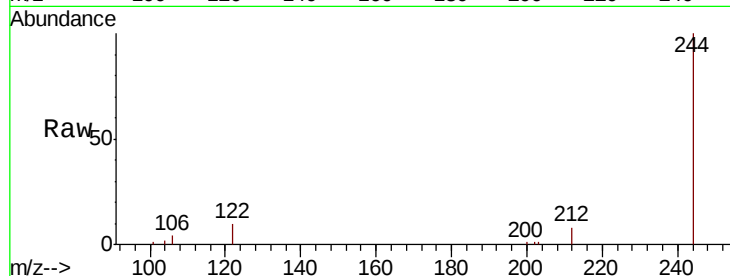
Tot Ion:244 Resp: 19939

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

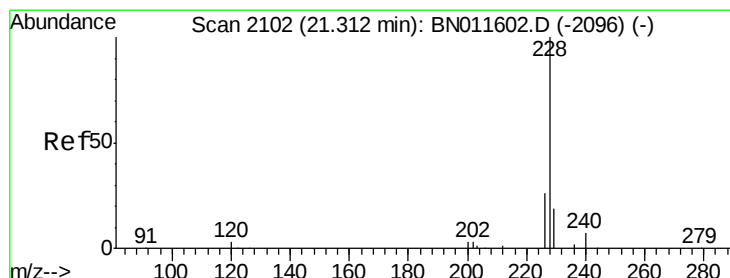
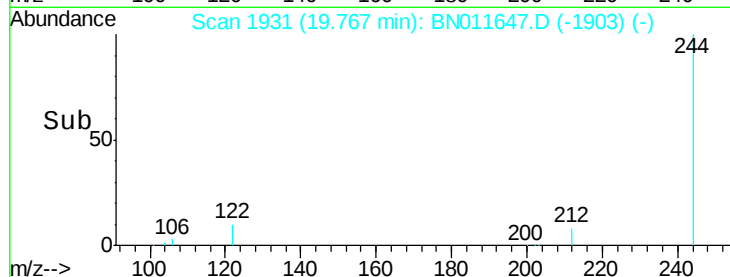
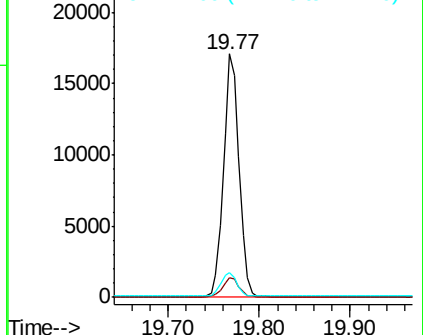
122 10.1 9.5 14.3



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#32

Benzo(a)anthracene

Concen: 0.328 ng

RT: 21.31 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

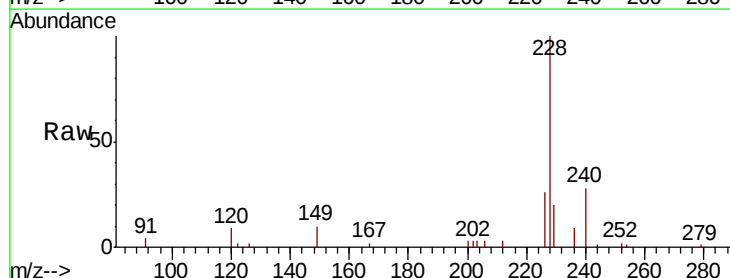
Tgt Ion:228 Resp: 15967

Ion Ratio Lower Upper

228 100

226 25.8 21.2 31.8

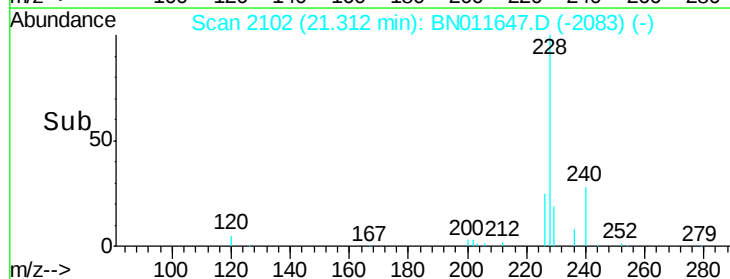
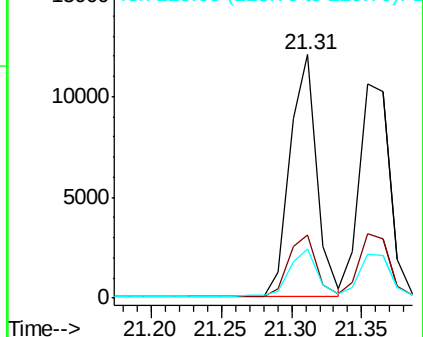
229 20.0 15.8 23.8

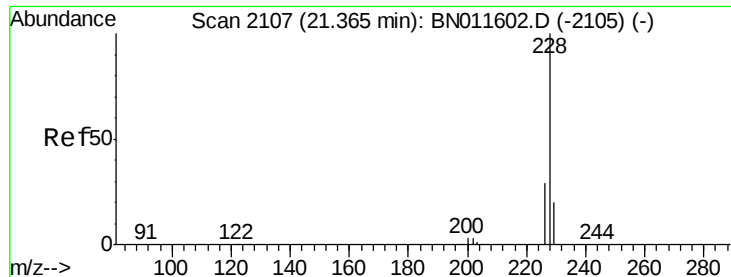


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Chrysene

Concen: 0.341 ng

RT: 21.35 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampleId :

CS-3MS

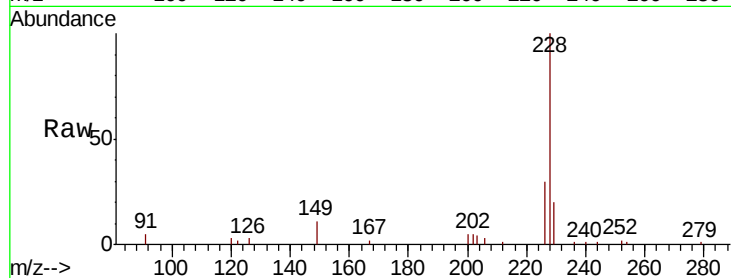
Tot Ion:228 Resp: 15822

Ion Ratio Lower Upper

228 100

226 30.3 23.6 35.4

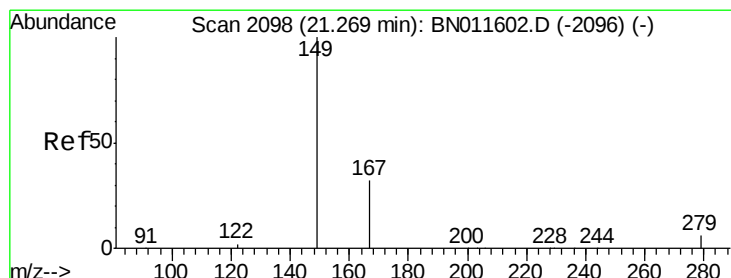
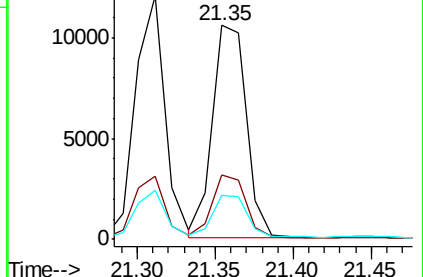
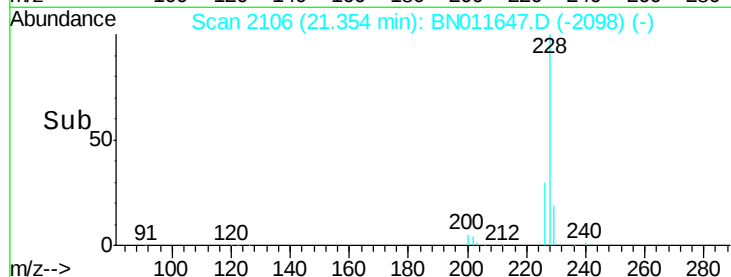
229 20.2 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.259 ng

RT: 21.26 min Scan# 2097

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

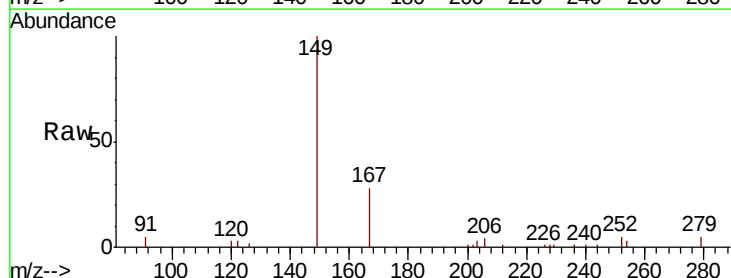
Tgt Ion:149 Resp: 9470

Ion Ratio Lower Upper

149 100

167 28.1 20.6 31.0

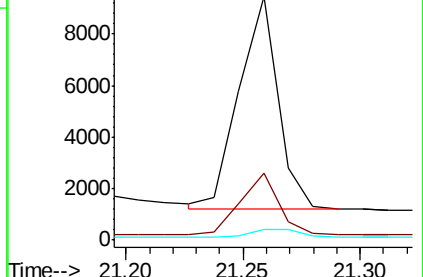
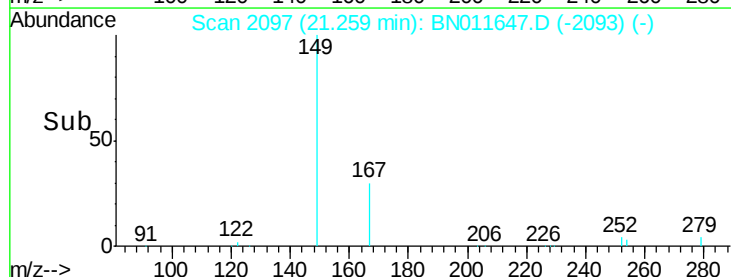
279 4.9 3.8 5.8

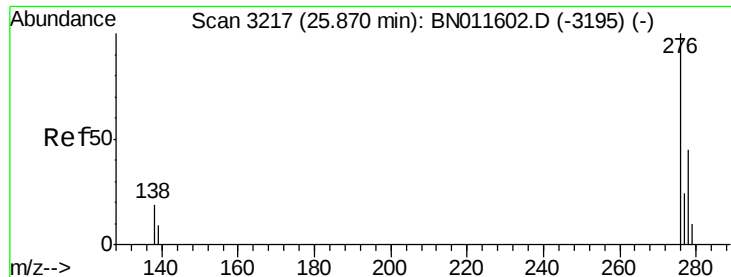


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

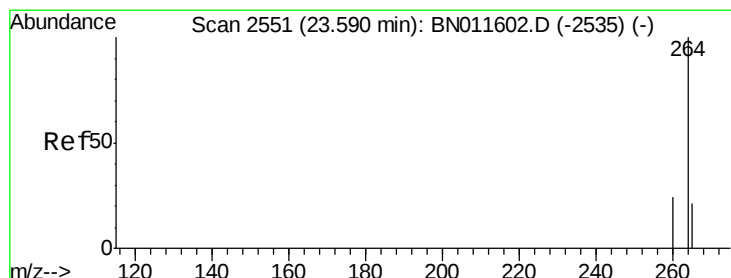
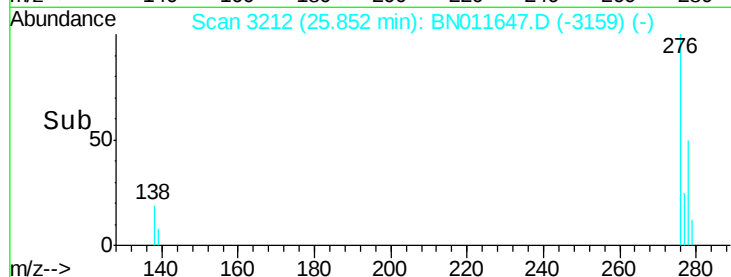
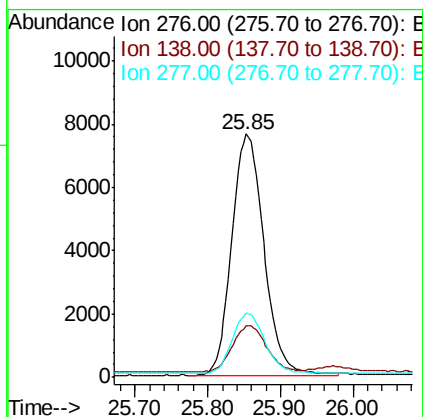
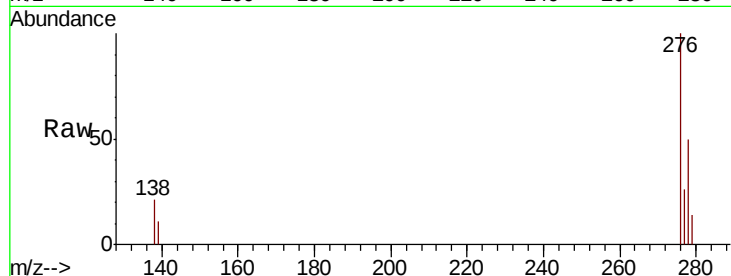




#35
 Indeno(1,2,3-cd)pyrene
 Concen: 0.412 ng
 RT: 25.85 min Scan# 3212
 Delta R.T. -0.02 min
 Lab File: BN011647.D
 Acq: 26 Aug 2020 16:20

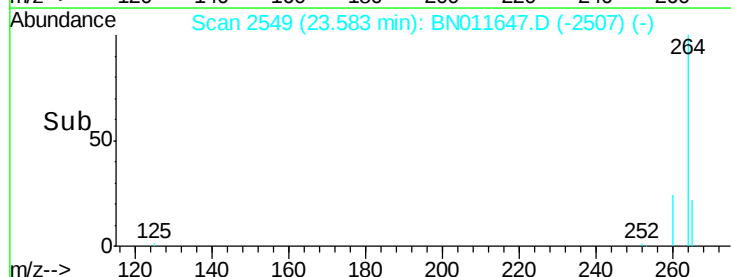
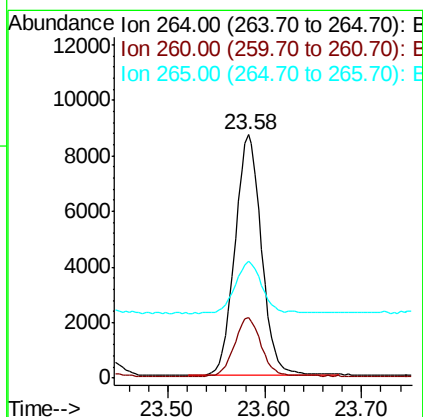
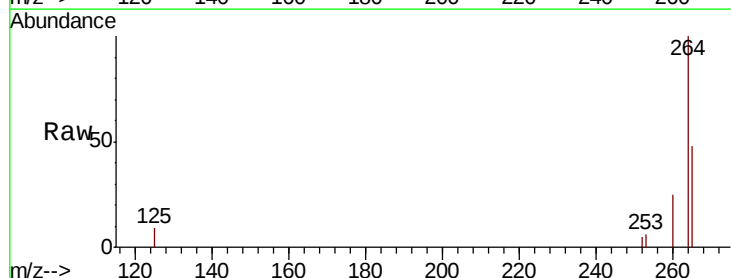
Instrument :
 BNA_N
 ClientSampleId :
 CS-3MS

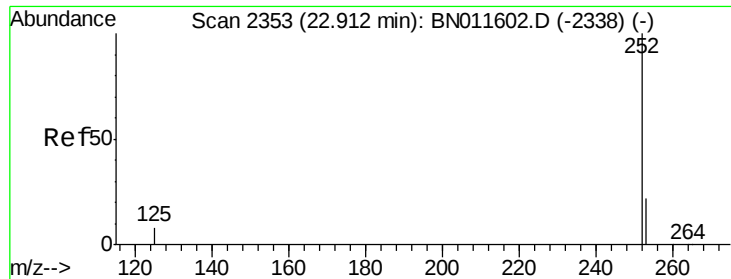
Tot Ion:276 Resp: 23356
 Ion Ratio Lower Upper
 276 100
 138 20.1 0.0 0.0#
 277 25.2 0.0 0.0#



#36
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.58 min Scan# 2549
 Delta R.T. -0.01 min
 Lab File: BN011647.D
 Acq: 26 Aug 2020 16:20

Tgt Ion:264 Resp: 16507
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.6 29.4
 265 48.2 40.7 61.1





#37

Benzo(b)fluoranthene

Concen: 0.307 ng

RT: 22.90 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampleId :

CS-3MS

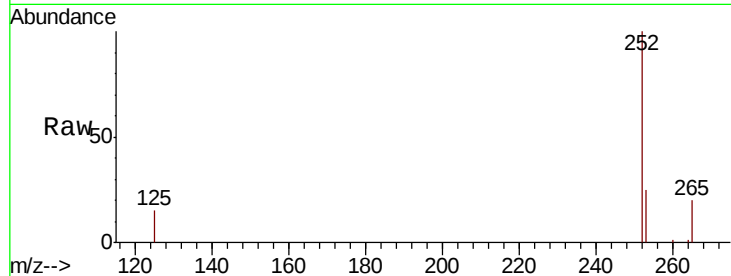
Tot Ion:252 Resp: 18364

Ion Ratio Lower Upper

252 100

253 25.3 21.0 31.6

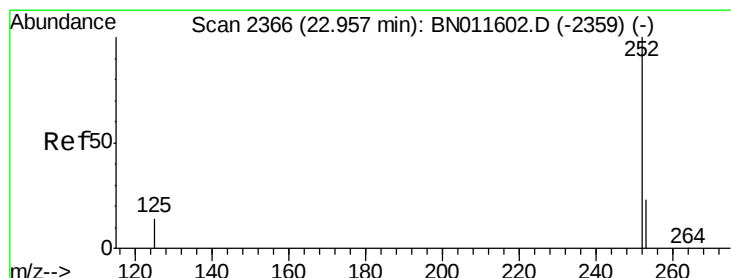
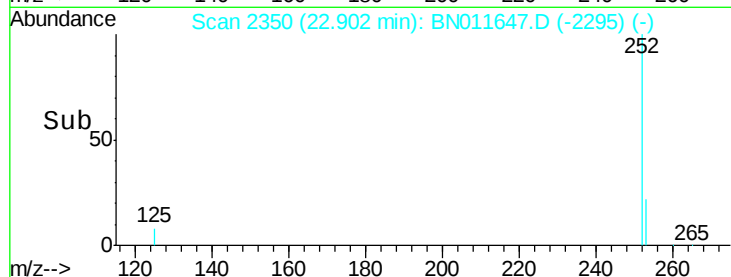
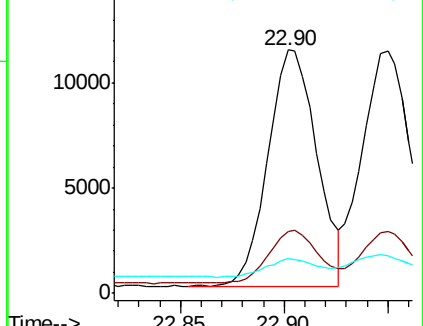
125 14.6 11.0 16.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Benzo(k)fluoranthene

Concen: 0.314 ng

RT: 22.95 min Scan# 2364

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

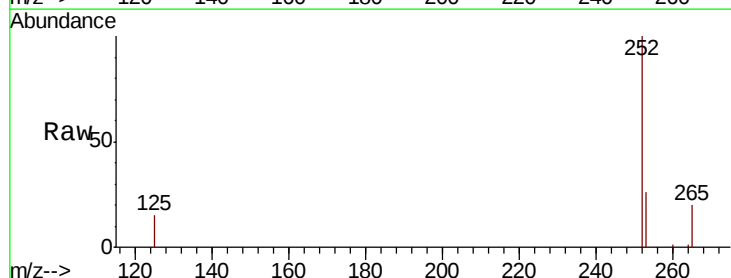
Tgt Ion:252 Resp: 18663

Ion Ratio Lower Upper

252 100

253 25.6 21.2 31.8

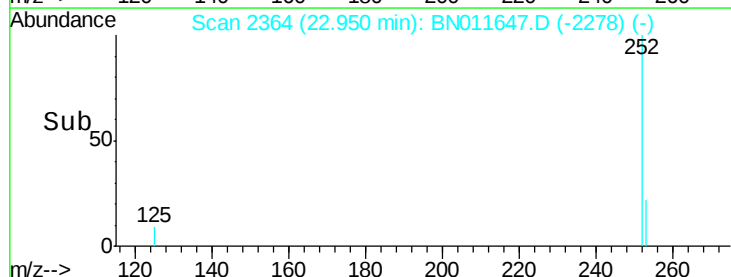
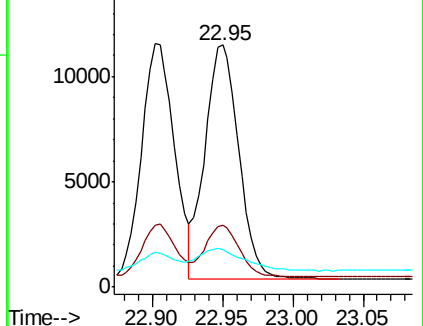
125 15.5 14.6 21.8

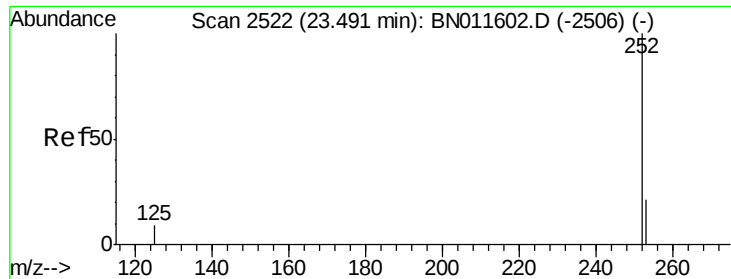


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a)pyrene

Concen: 0.296 ng

RT: 23.48 min Scan# 2520

Delta R.T. -0.01 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampleId :

CS-3MS

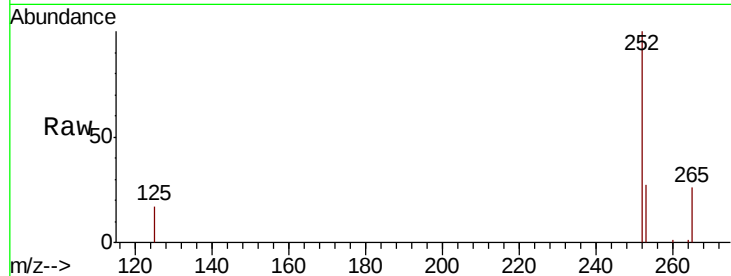
Tot Ion:252 Resp: 16476

Ion Ratio Lower Upper

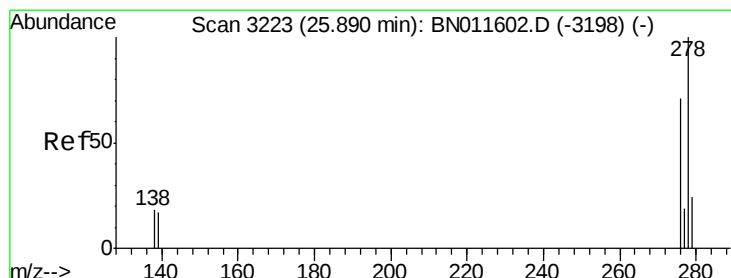
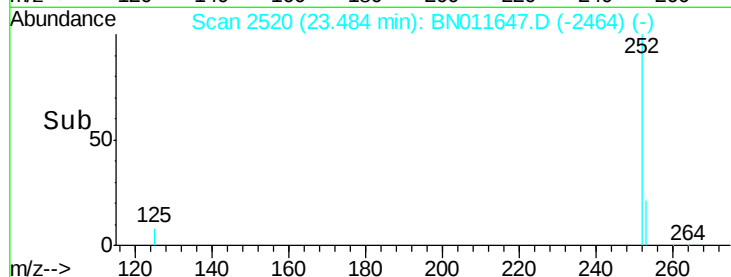
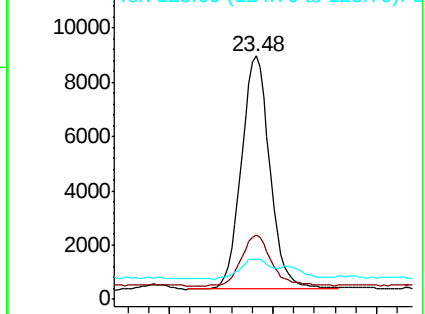
252 100

253 26.5 21.2 31.8

125 16.7 12.1 18.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#40

Dibenzo(a,h)anthracene

Concen: 0.338 ng

RT: 25.87 min Scan# 3218

Delta R.T. -0.02 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

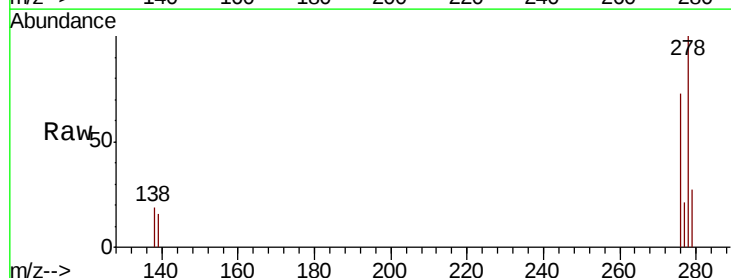
Tgt Ion:278 Resp: 19699

Ion Ratio Lower Upper

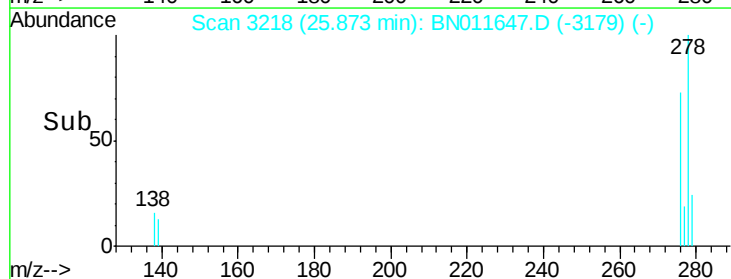
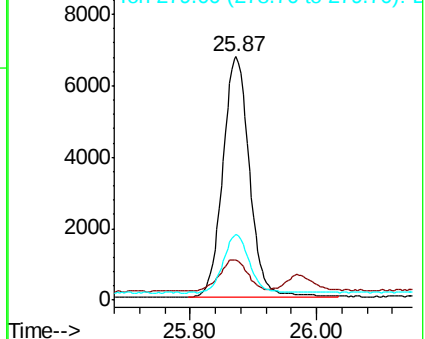
278 100

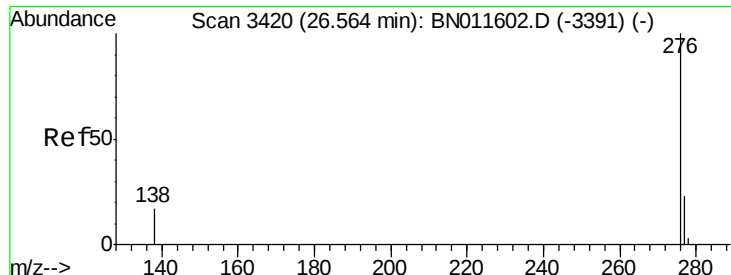
139 16.3 16.6 25.0#

279 26.7 21.4 32.2



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#41

Benzo(a,h,i)perylene

Concen: 0.362 ng

RT: 26.55 min Scan# 3415

Delta R.T. -0.02 min

Lab File: BN011647.D

Acq: 26 Aug 2020 16:20

Instrument :

BNA_N

ClientSampleId :

CS-3MS

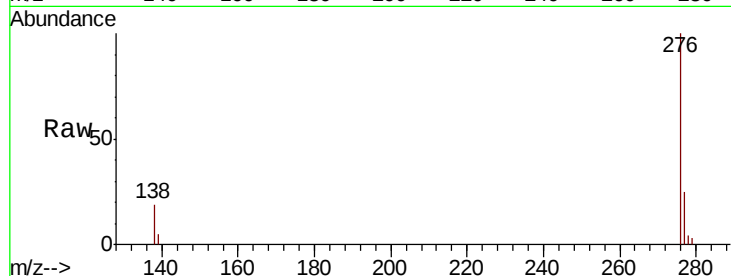
Tot Ion: 276 Resp: 20484

Ion Ratio Lower Upper

276 100

277 25.2 20.5 30.7

138 19.2 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

