

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080720\
 Data File : BN011394.D
 Acq On : 07 Aug 2020 12:03
 Operator : CG/JU
 Sample : PB130764BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 07 12:42:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN072820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 31 12:17:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	1244	0.40	ng	0.00
7) Naphthalene-d8	10.20	136	4175	0.40	ng	-0.01
13) Acenaphthene-d10	14.08	164	2440	0.40	ng	-0.01
19) Phenanthrene-d10	16.85	188	4352	0.40	ng	0.00
29) Chrysene-d12	21.06	240	4665	0.40	ng	-0.01
36) Perylene-d12	23.18	264	4852	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.12	112	1099	0.34	ng	0.00
5) Phenol-d6	6.67	99	1105	0.28	ng	0.00
8) Nitrobenzene-d5	8.60	82	1184	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	11.80	152	2139	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.60	330	265	0.24	ng	0.00
15) 2-Fluorobiphenyl	12.69	172	4271	0.41	ng	-0.01
27) Fluoranthene-d10	18.88	212	4020	0.30	ng	0.00
31) Terphenyl-d14	19.50	244	4266	0.30	ng	0.00

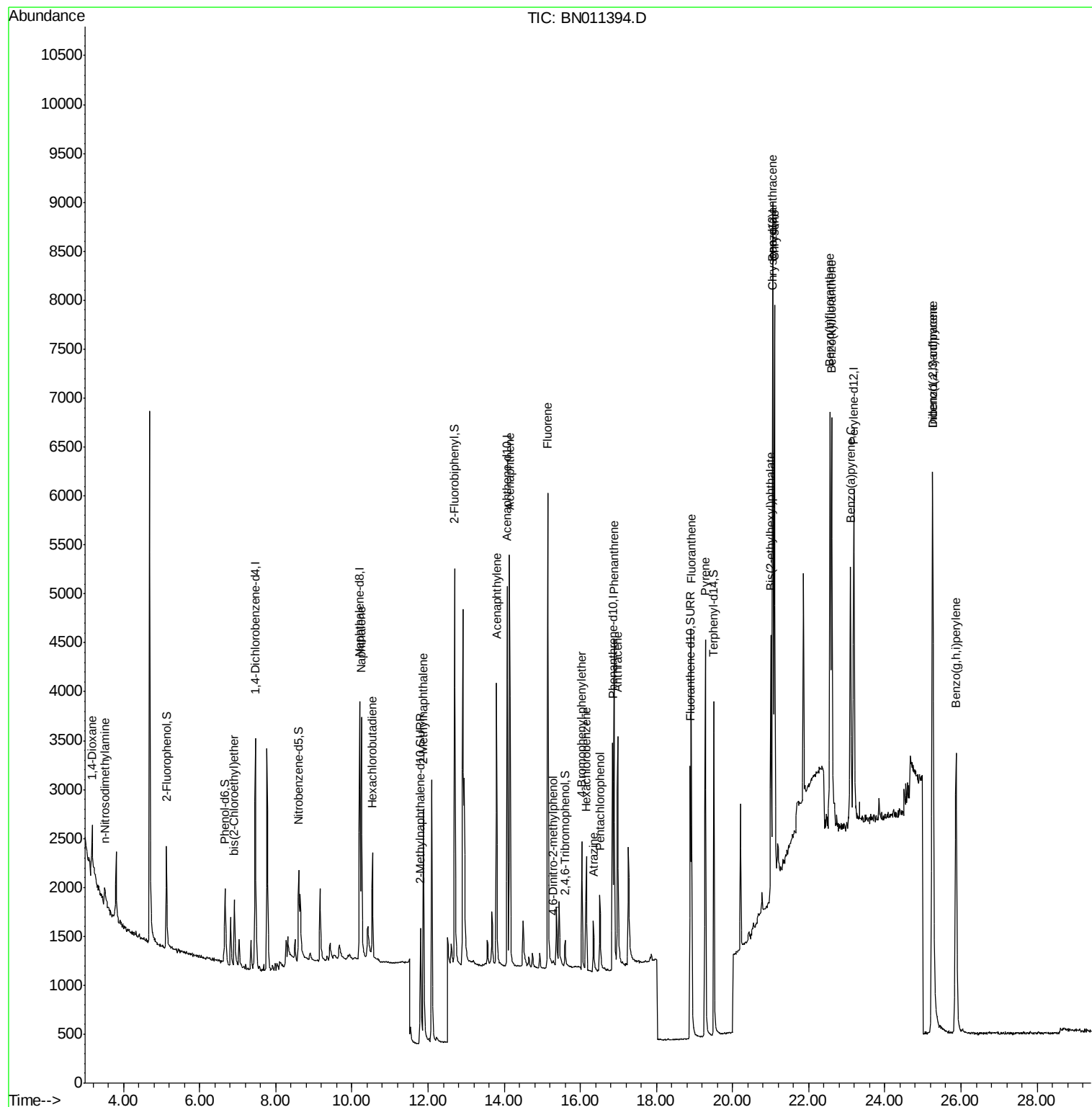
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.17	88	389	0.222	ng	# 34
3) n-Nitrosodimethylamine	3.50	42	219	0.244	ng	# 98
6) bis(2-Chloroethyl)ether	6.91	93	776	0.235	ng	94
9) Naphthalene	10.25	128	3506	0.283	ng	97
10) Hexachlorobutadiene	10.54	225	862	0.287	ng	# 98
12) 2-Methylnaphthalene	11.87	142	2159	0.246	ng	97
16) Acenaphthylene	13.80	152	3453	0.275	ng	99
17) Acenaphthene	14.14	154	2203	0.269	ng	99
18) Fluorene	15.14	166	2495	0.237	ng	99
20) 4,6-Dinitro-2-methylphenol	15.28	198	100	0.303	ng	# 65
21) 4-Bromophenyl-phenylether	16.04	248	687	0.238	ng	96
22) Hexachlorobenzene	16.15	284	908	0.278	ng	97
23) Atrazine	16.34	200	529	0.235	ng	# 90
24) Pentachlorophenol	16.51	266	488	0.481	ng	99
25) Phenanthrene	16.88	178	3733	0.264	ng	98
26) Anthracene	16.98	178	3282	0.279	ng	99
28) Fluoranthene	18.92	202	4313	0.268	ng	99
30) Pyrene	19.28	202	4341	0.206	ng	99
32) Benzo(a)anthracene	21.05	228	4804	0.307	ng	98
33) Chrysene	21.10	228	5217	0.297	ng	99
34) Bis(2-ethylhexyl)phthalate	21.00	149	1509	0.180	ng	98
35) Indeno(1,2,3-cd)pyrene	25.25	276	7620	0.445	ng	100
37) Benzo(b)fluoranthene	22.56	252	5544	0.287	ng	96
38) Benzo(k)fluoranthene	22.60	252	5653	0.265	ng	95
39) Benzo(a)pyrene	23.09	252	4606	0.274	ng	95
40) Dibenzo(a,h)anthracene	25.26	278	6241	0.359	ng	99
41) Benzo(g,h,i)perylene	25.87	276	6185	0.321	ng	99

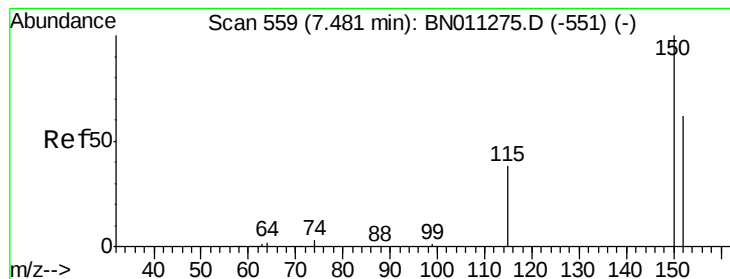
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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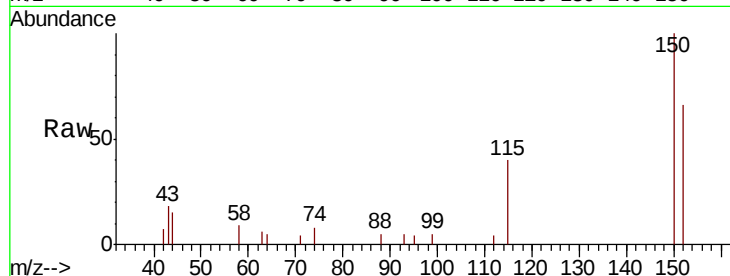


#1

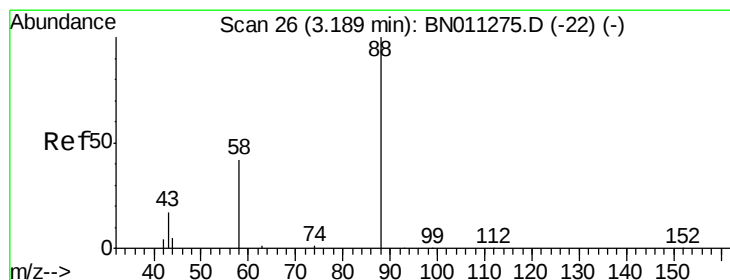
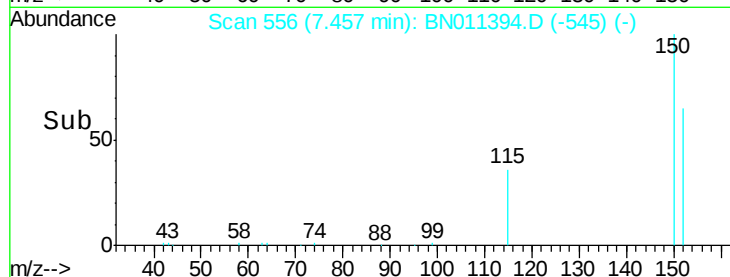
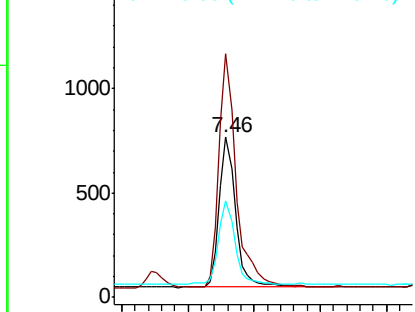
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.46 min Scan# 556
Delta R.T. -0.01 min
Lab File: BN011394.D
Acq: 07 Aug 2020 12:03

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 1244
Ion Ratio Lower Upper
152 100
150 152.3 126.5 189.7
115 60.4 51.9 77.9



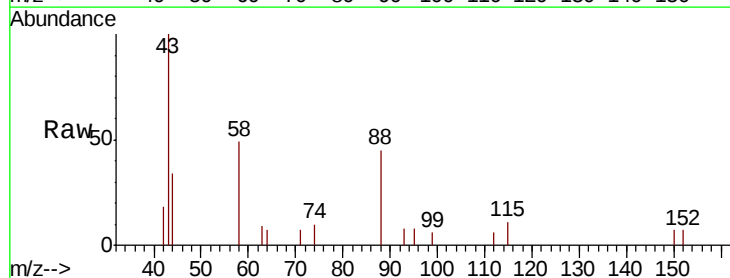
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



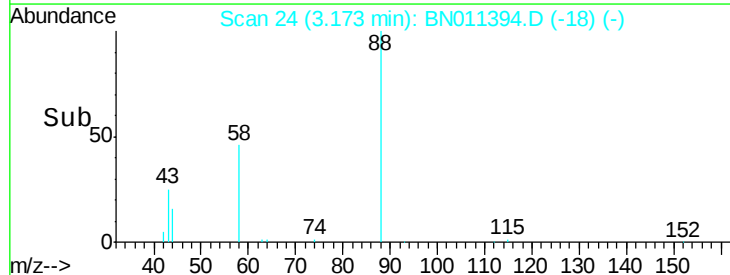
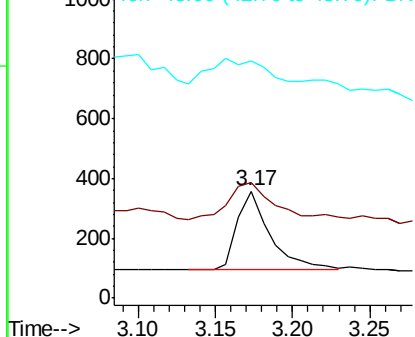
#2

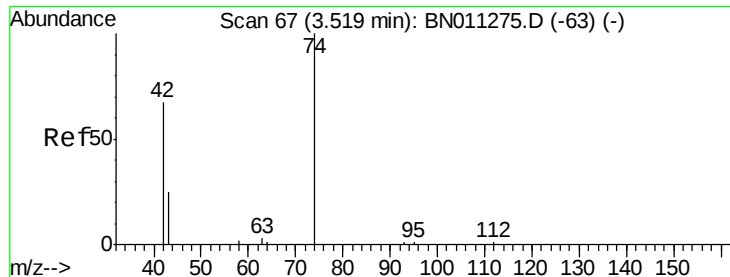
1,4-Dioxane
Concen: 0.222 ng
RT: 3.17 min Scan# 24
Delta R.T. 0.00 min
Lab File: BN011394.D
Acq: 07 Aug 2020 12:03

Tgt Ion: 88 Resp: 389
Ion Ratio Lower Upper
88 100
58 67.4 36.5 54.7#
43 84.6 16.1 24.1#



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC



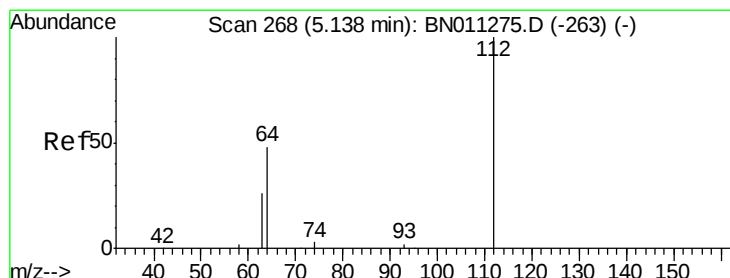
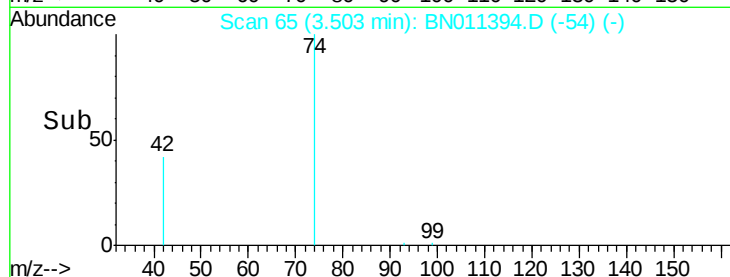
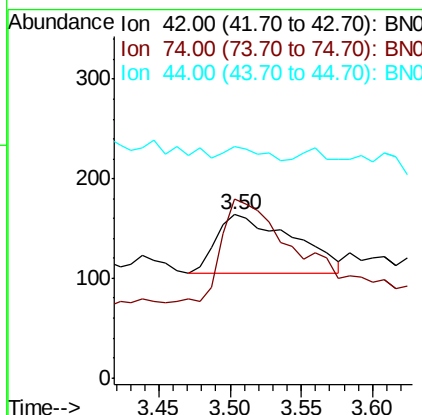
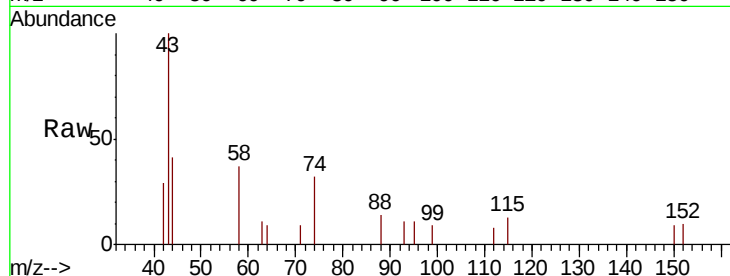


#3

n-Nitrosodimethylamine
 Concen: 0.244 ng
 RT: 3.50 min Scan# 65
 Delta R.T. -0.01 min
 Lab File: BN011394.D
 Acq: 07 Aug 2020 12:03

Instrument :
 BNA_N
 ClientSampleId :

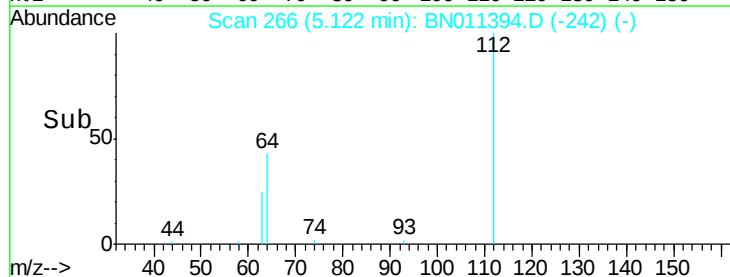
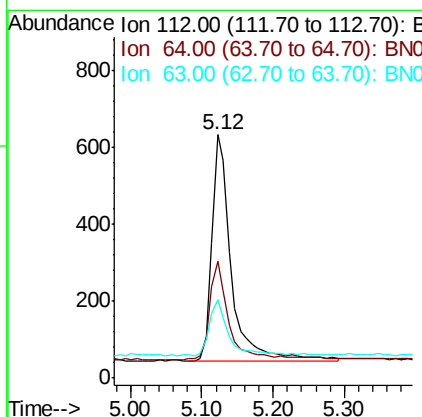
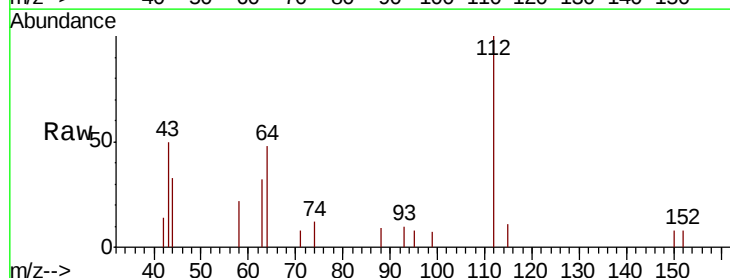
Tot Ion: 42 Resp: 219
 Ion Ratio Lower Upper
 42 100
 74 183.1 144.2 216.2
 44 11.0 11.1 16.7#

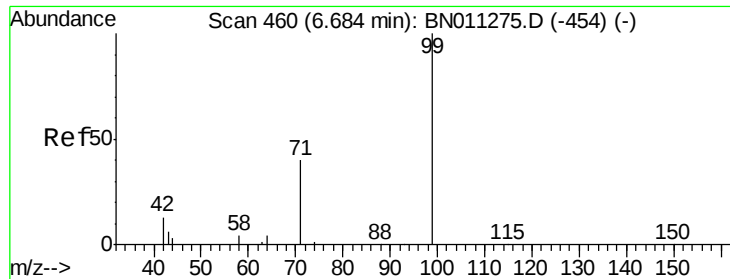


#4

2-Fluorophenol
 Concen: 0.336 ng
 RT: 5.12 min Scan# 266
 Delta R.T. -0.01 min
 Lab File: BN011394.D
 Acq: 07 Aug 2020 12:03

Tgt Ion: 112 Resp: 1099
 Ion Ratio Lower Upper
 112 100
 64 43.3 35.8 53.6
 63 24.7 19.3 28.9





#5

Phenol-d6

Concen: 0.278 ng

RT: 6.67 min Scan# 458

Delta R.T. 0.00 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

Instrument :

BNA_N

ClientSampleId :

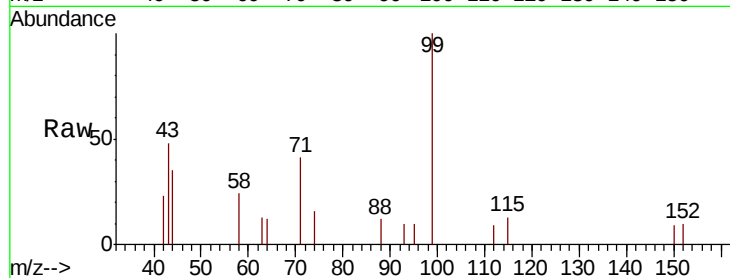
Tot Ion: 99 Resp: 1105

Ion Ratio Lower Upper

99 100

42 11.8 11.2 16.8

71 38.1 30.6 45.8



Abundance Ion 99.00 (98.70 to 99.70): BN011394.D (-458) (-)

Ion 42.00 (41.70 to 42.70): BN011394.D (-458) (-)

Ion 71.00 (70.70 to 71.70): BN011394.D (-458) (-)

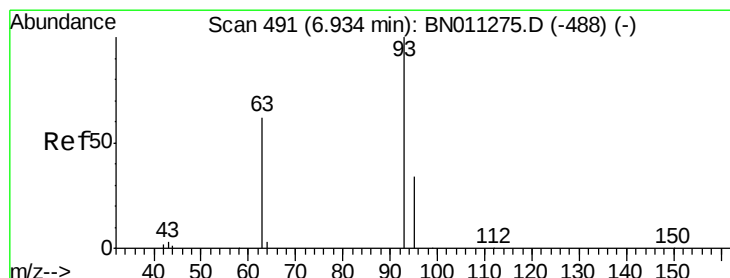
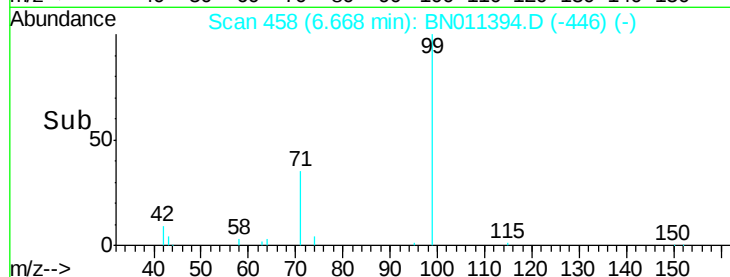
6.67

400

200

0

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.235 ng

RT: 6.91 min Scan# 488

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

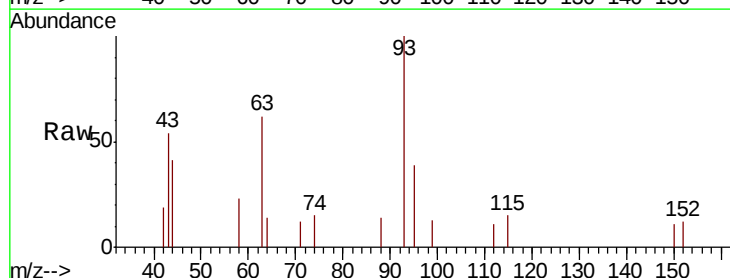
Tgt Ion: 93 Resp: 776

Ion Ratio Lower Upper

93 100

63 54.0 47.8 71.6

95 35.3 27.1 40.7



Abundance Ion 93.00 (92.70 to 93.70): BN011394.D (-482) (-)

Ion 63.00 (62.70 to 63.70): BN011394.D (-482) (-)

Ion 95.00 (94.70 to 95.70): BN011394.D (-482) (-)

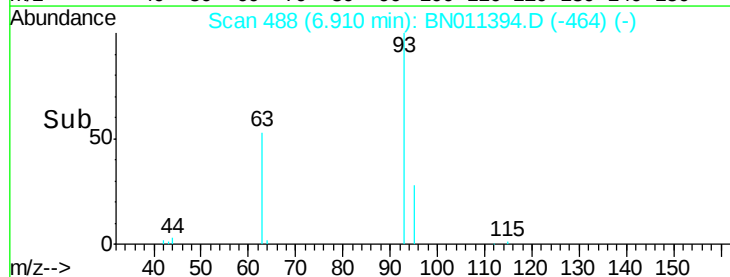
6.91

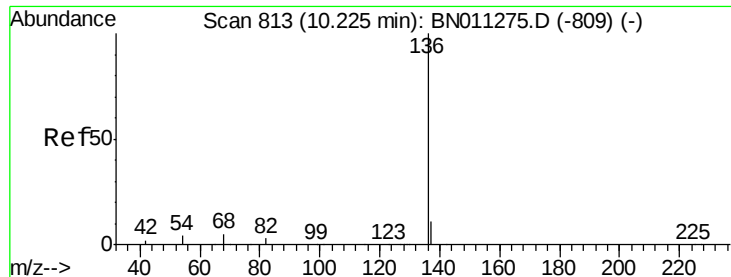
400

200

0

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.20 min Scan# 811

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 4175

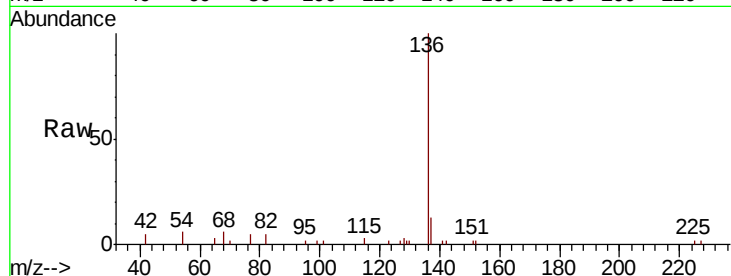
Ion Ratio Lower Upper

136 100

137 12.9 9.9 14.9

54 5.8 4.8 7.2

68 6.1 4.9 7.3

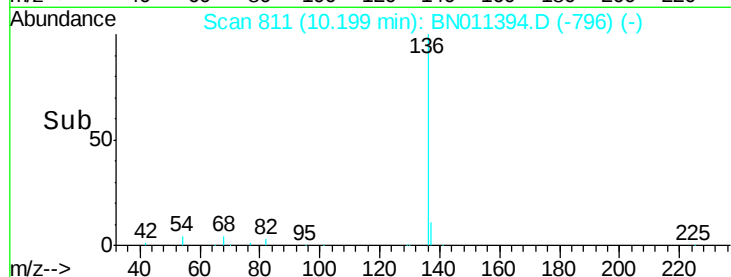


Abundance Ion 136.00 (135.70 to 136.70): E

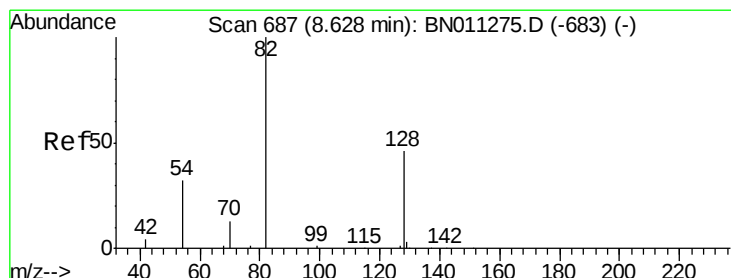
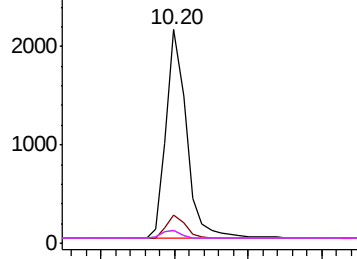
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



Time-->



#8

Nitrobenzene-d5

Concen: 0.318 ng

RT: 8.60 min Scan# 685

Delta R.T. 0.00 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

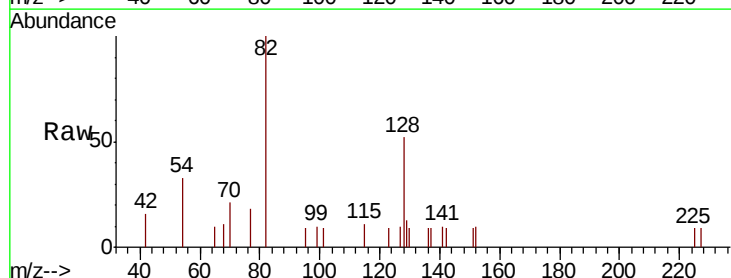
Tgt Ion: 82 Resp: 1184

Ion Ratio Lower Upper

82 100

128 52.3 40.1 60.1

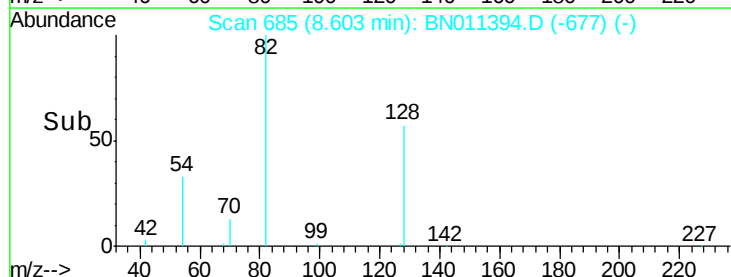
54 33.3 29.0 43.6



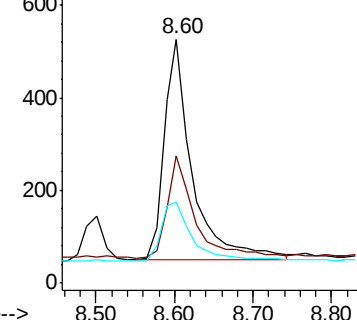
Abundance Ion 82.00 (81.70 to 82.70): BNC

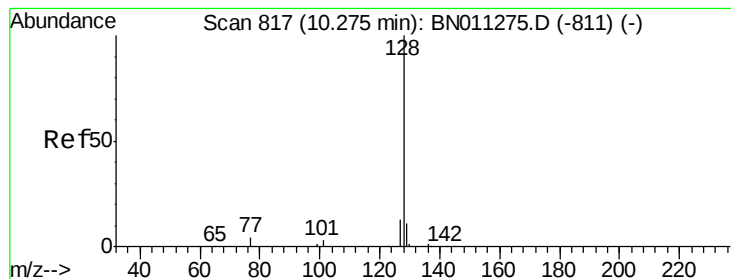
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC



Time-->





#9

Naphthalene

Concen: 0.283 ng

RT: 10.25 min Scan# 815

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

Instrument :

BNA_N

ClientSampleId :

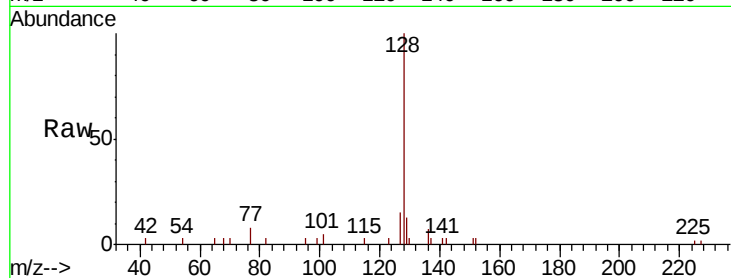
Tot Ion:128 Resp: 3506

Ion Ratio Lower Upper

128 100

129 13.5 9.7 14.5

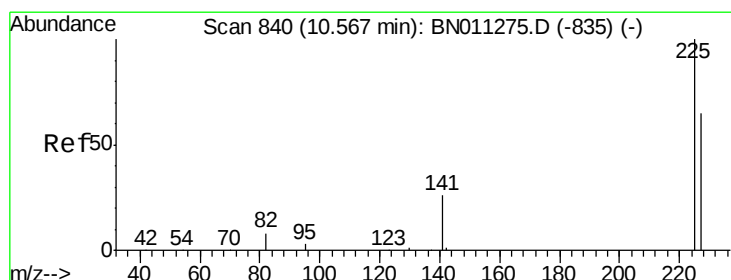
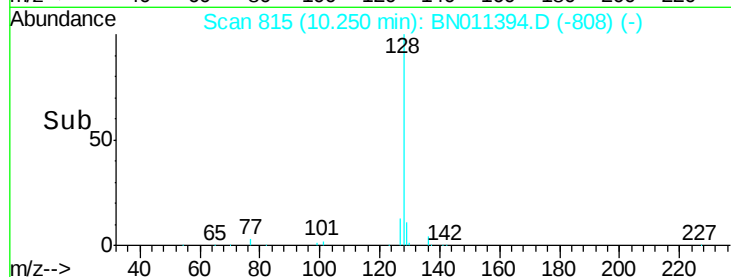
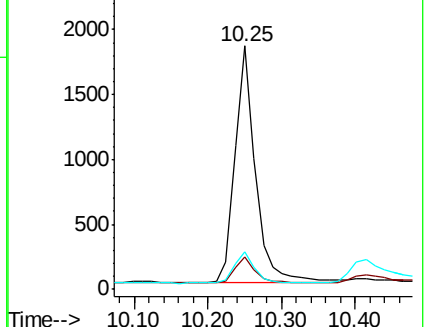
127 15.4 11.5 17.3



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: 0.287 ng

RT: 10.54 min Scan# 838

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

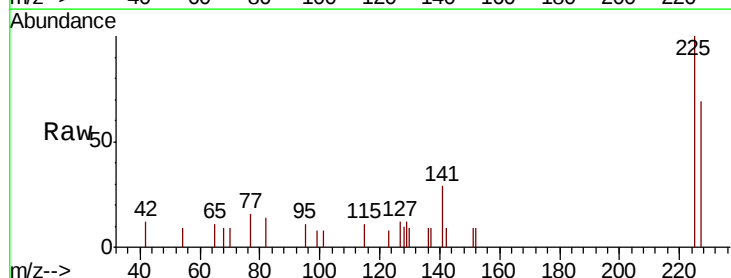
Tgt Ion:225 Resp: 862

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

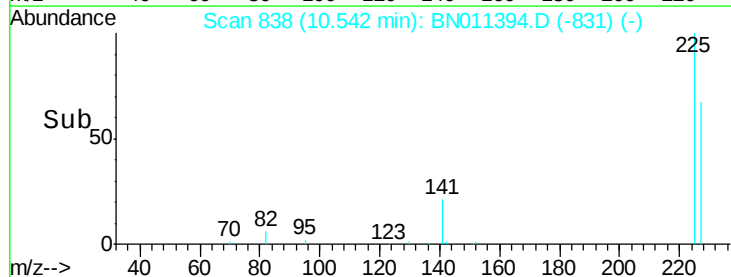
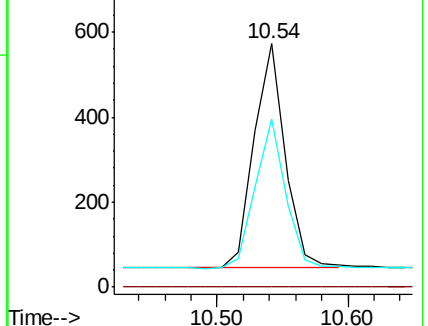
227 66.1 51.7 77.5

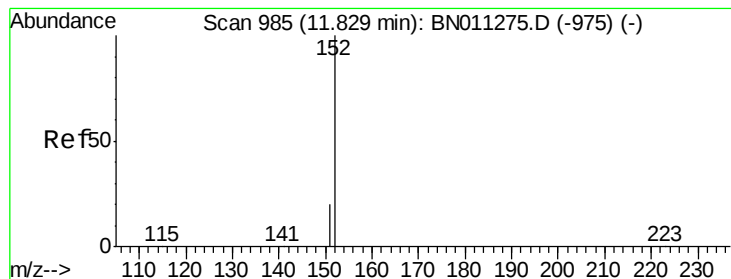


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.281 ng

RT: 11.80 min Scan# 979

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

Instrument :

BNA_N

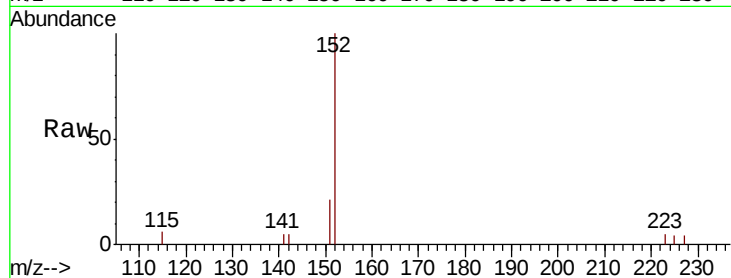
ClientSampleId :

Tot Ion:152 Resp: 2139

Ion Ratio Lower Upper

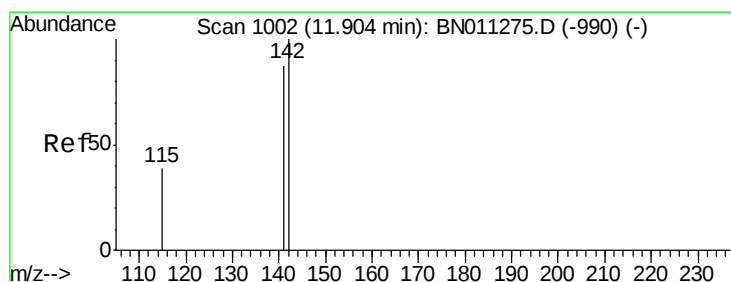
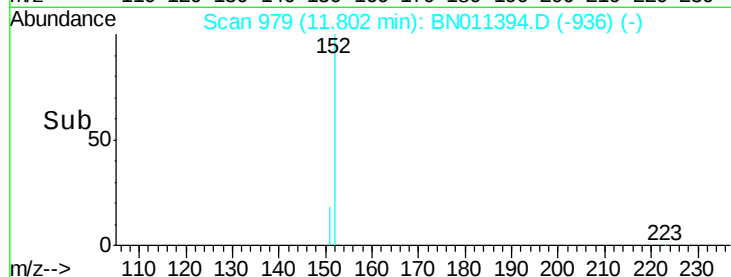
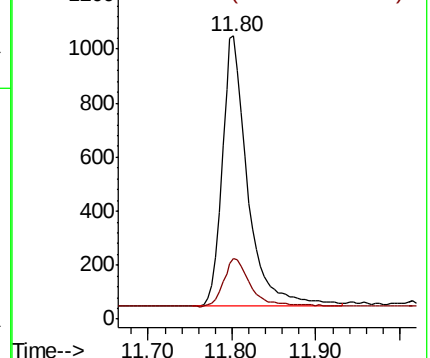
152 100

151 19.1 16.6 24.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.246 ng

RT: 11.87 min Scan# 995

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

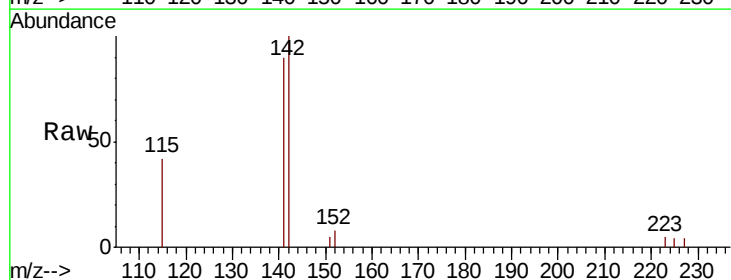
Tgt Ion:142 Resp: 2159

Ion Ratio Lower Upper

142 100

141 90.3 69.6 104.4

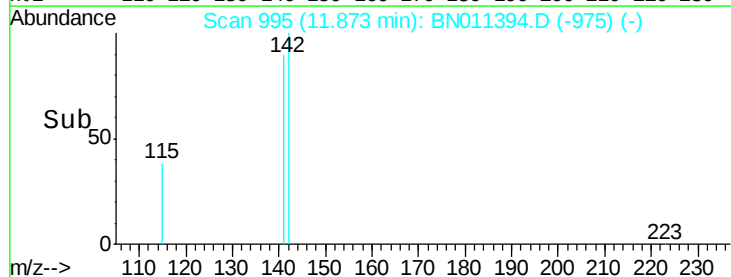
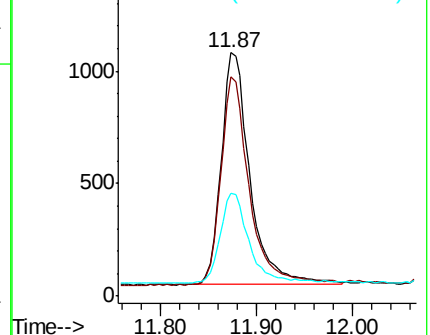
115 42.1 32.5 48.7

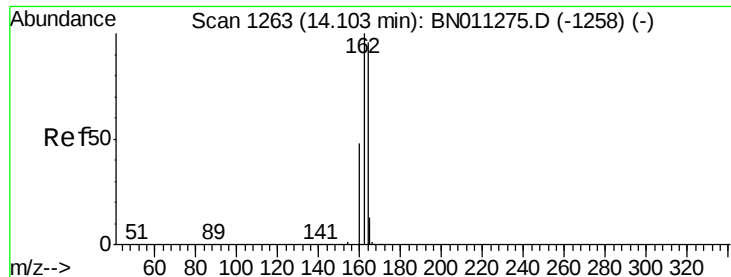


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

Instrument :

BNA_N

ClientSampleId :

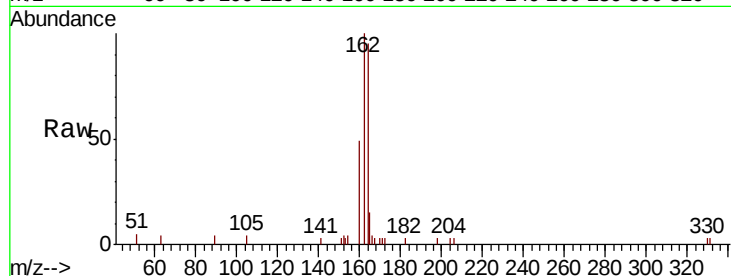
Tot Ion:164 Resp: 2440

Ion Ratio Lower Upper

164 100

162 105.7 83.6 125.4

160 51.5 41.2 61.8



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

14.08

1500

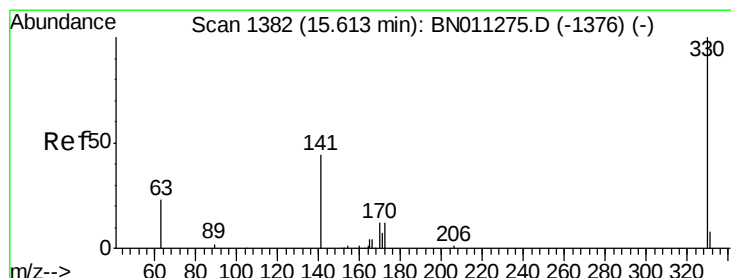
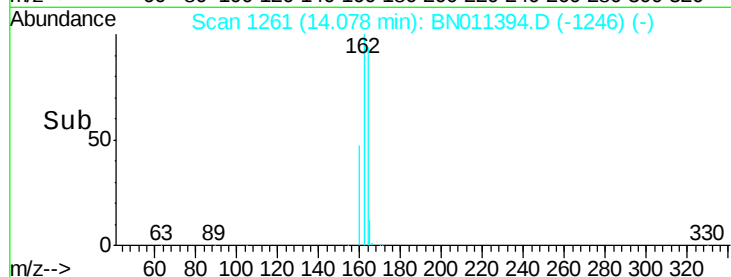
1000

500

0

14.00 14.10 14.20

Time-->



#14

2,4,6-Tribromophenol

Concen: 0.235 ng

RT: 15.60 min Scan# 1381

Delta R.T. 0.00 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

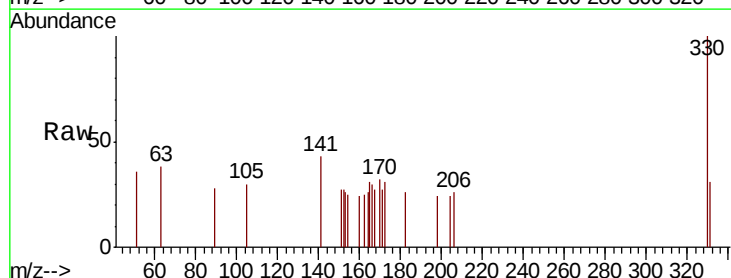
Tgt Ion:330 Resp: 265

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 38.9 34.2 51.2



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

15.60

250

200

150

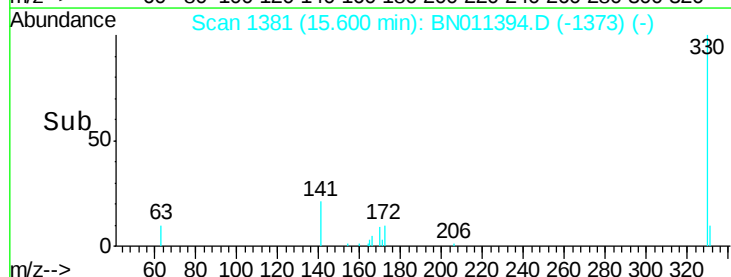
100

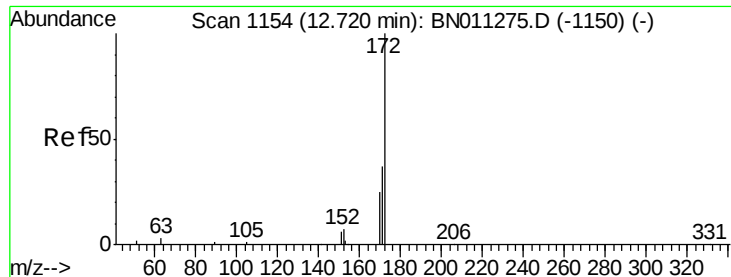
50

0

15.50 15.60 15.70

Time-->





#15

2-Fluorobiphenyl

Concen: 0.405 ng

RT: 12.69 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

Instrument :

BNA_N

ClientSampleId :

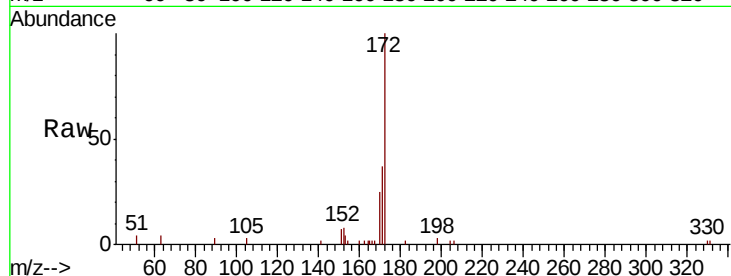
Tot Ion:172 Resp: 4271

Ion Ratio Lower Upper

172 100

171 36.6 30.6 46.0

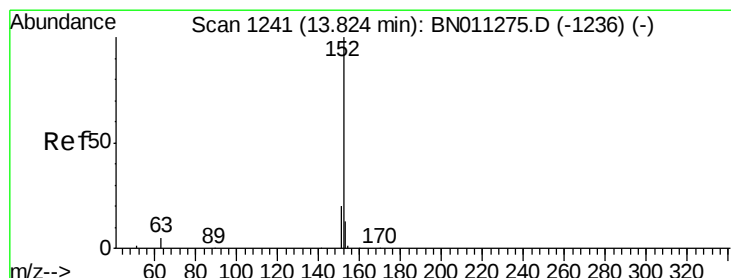
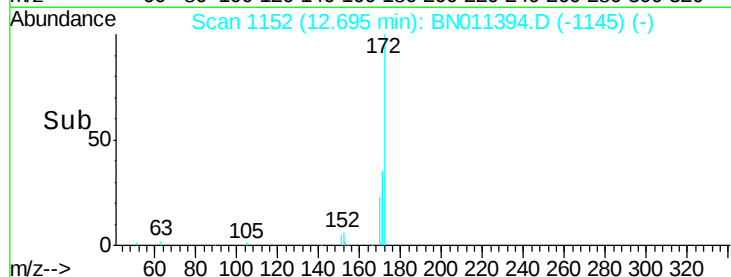
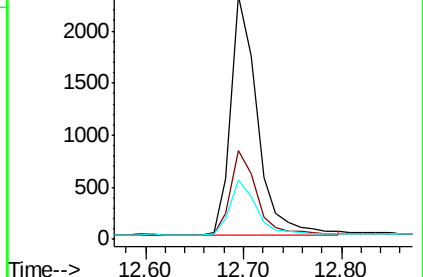
170 24.6 21.0 31.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.275 ng

RT: 13.80 min Scan# 1239

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

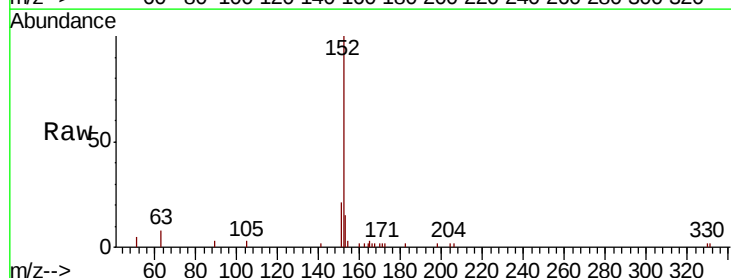
Tgt Ion:152 Resp: 3453

Ion Ratio Lower Upper

152 100

151 19.5 15.8 23.8

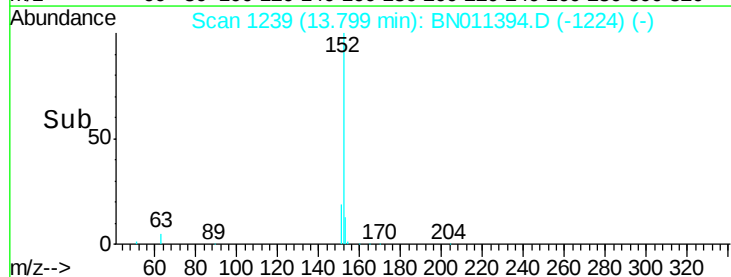
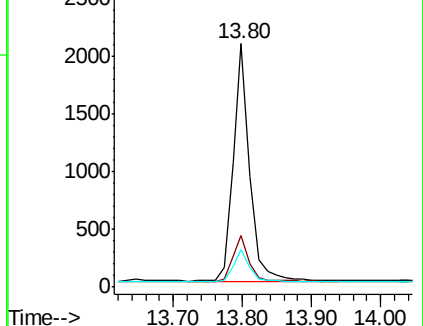
153 13.5 10.2 15.4

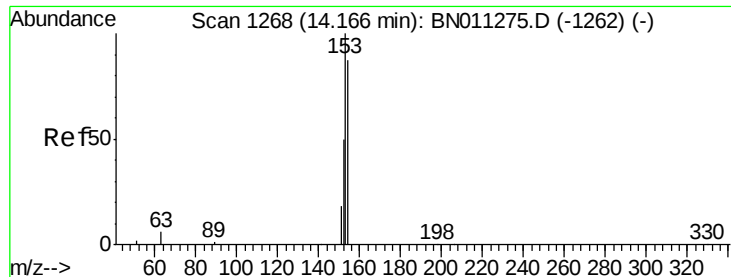


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.269 ng

RT: 14.14 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

Instrument :

BNA_N

ClientSampleId :

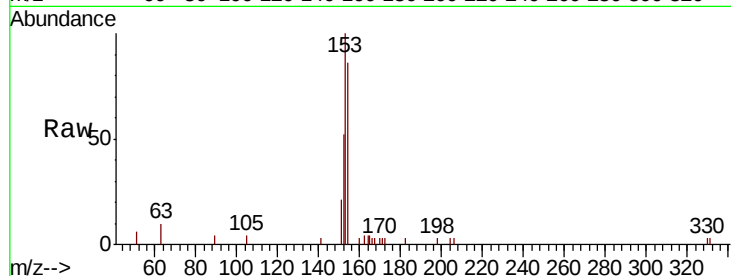
Tot Ion:154 Resp: 2203

Ion Ratio Lower Upper

154 100

153 115.3 91.3 136.9

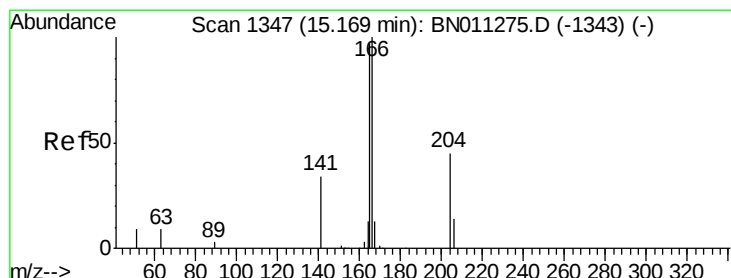
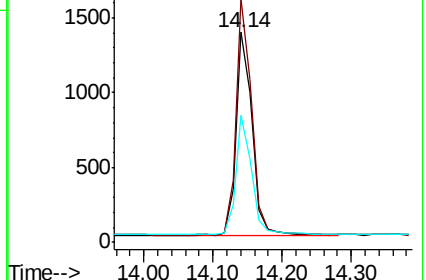
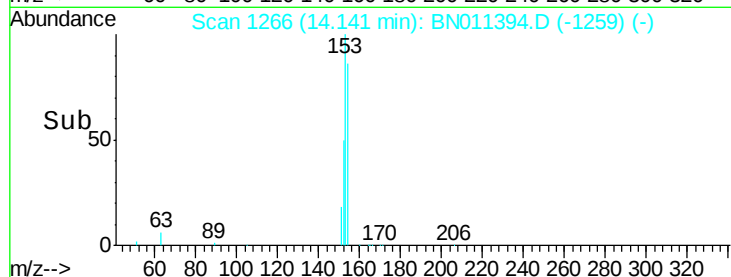
152 57.9 45.8 68.6



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: 0.237 ng

RT: 15.14 min Scan# 1345

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

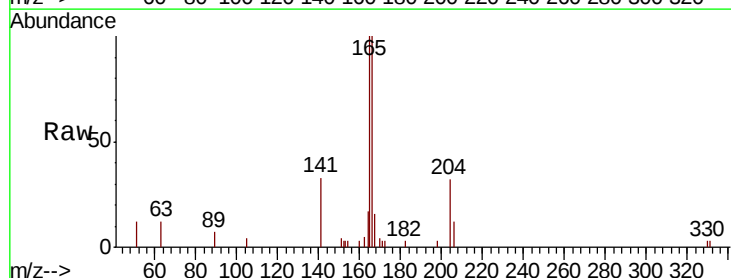
Tgt Ion:166 Resp: 2495

Ion Ratio Lower Upper

166 100

165 98.5 79.6 119.4

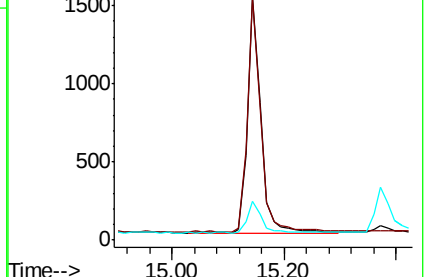
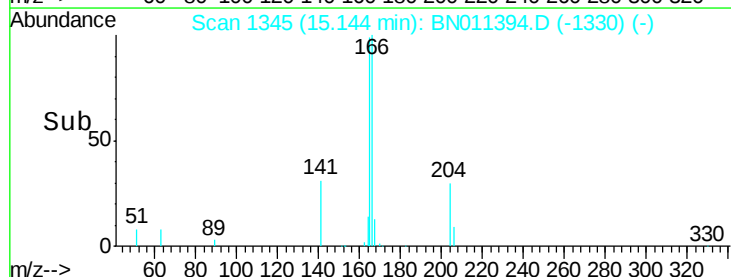
167 13.9 10.8 16.2

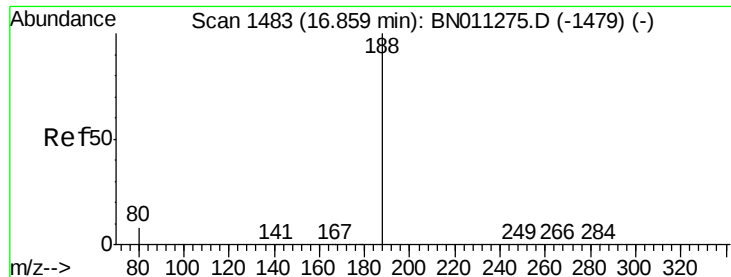


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.85 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

Instrument :

BNA_N

ClientSampleId :

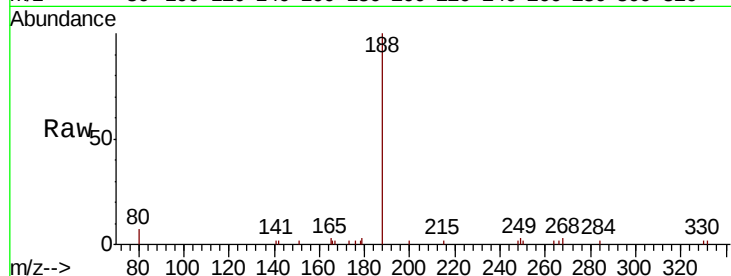
Tot Ion:188 Resp: 4352

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

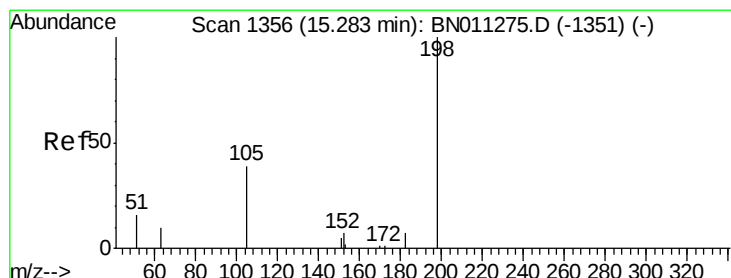
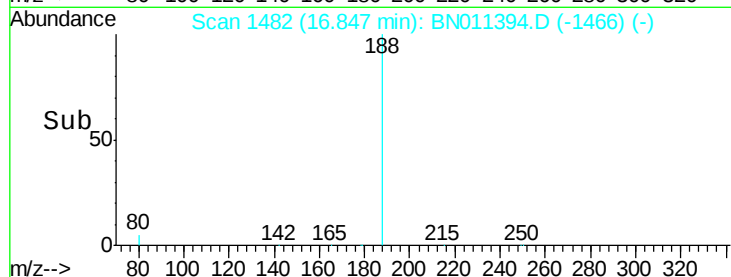
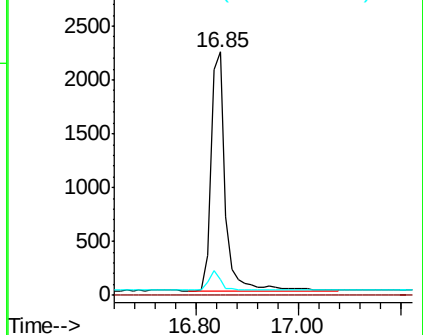
80 6.6 7.4 11.0#



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: 0.303 ng

RT: 15.28 min Scan# 1356

Delta R.T. 0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

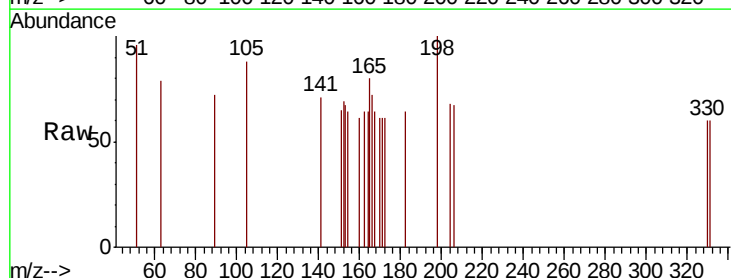
Tgt Ion:198 Resp: 100

Ion Ratio Lower Upper

198 100

51 96.0 49.0 73.6#

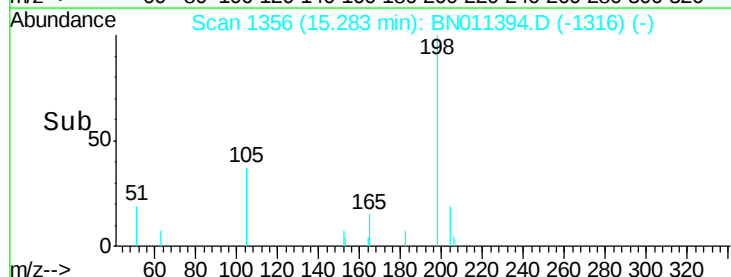
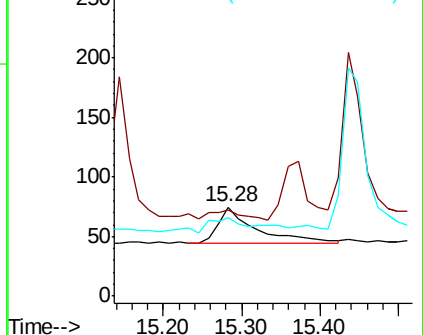
105 88.0 53.8 80.6#

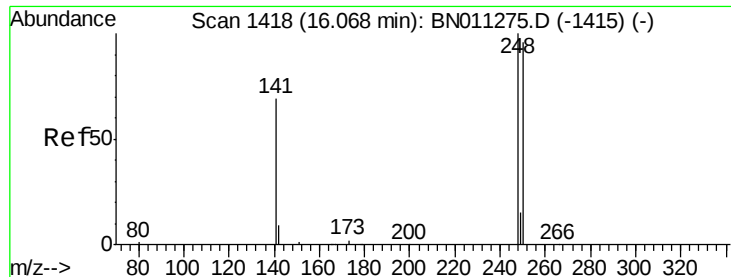


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNO

Ion 105.00 (104.70 to 105.70): E

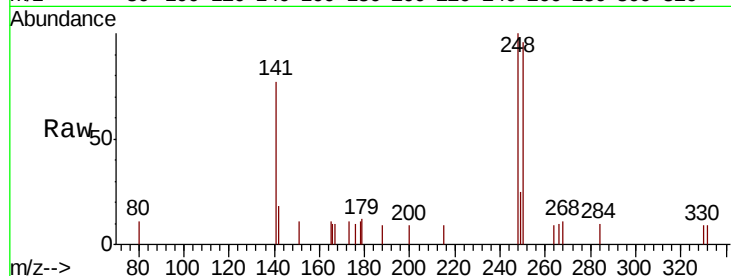




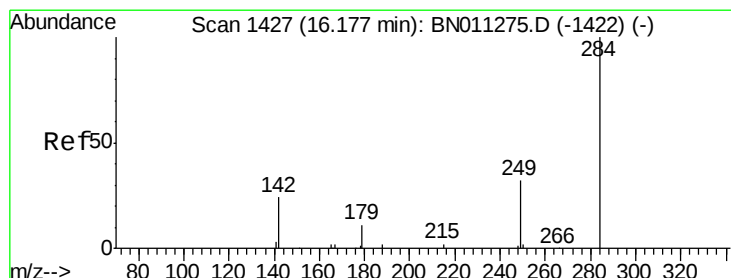
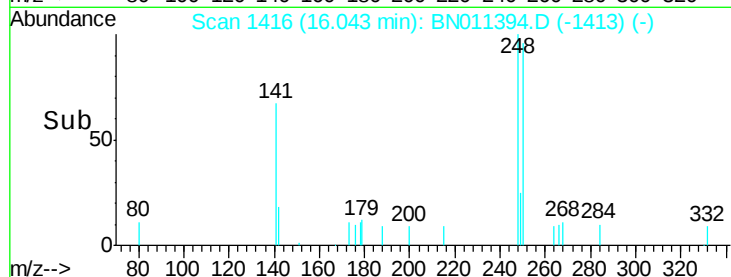
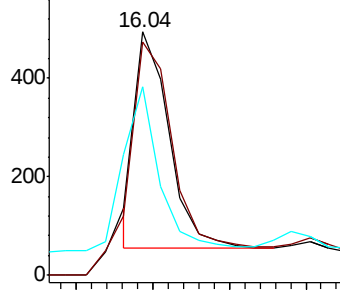
#21
4-Bromophenyl-phenylether
Concen: 0.238 ng
RT: 16.04 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BN011394.D
Acq: 07 Aug 2020 12:03

Instrument :
BNA_N
ClientSampleId :

Tot Ion:248 Resp: 687
Ion Ratio Lower Upper
248 100
250 96.2 77.2 115.8
141 77.3 56.5 84.7

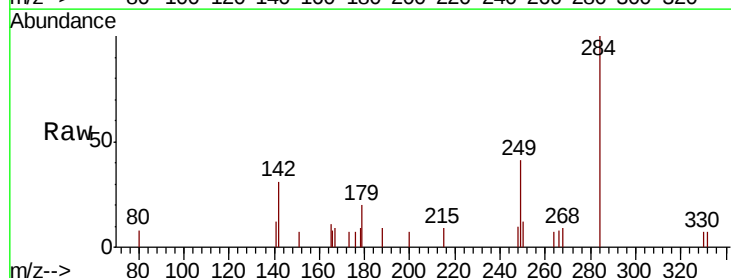


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

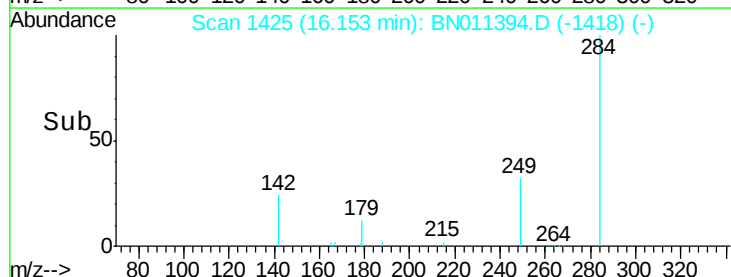
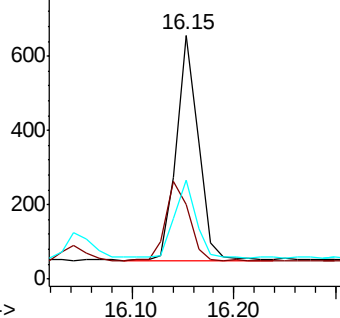


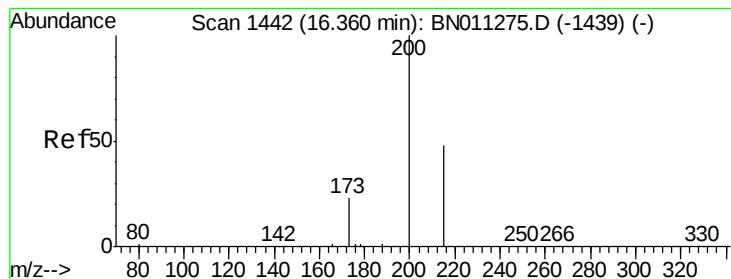
#22
Hexachlorobenzene
Concen: 0.278 ng
RT: 16.15 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BN011394.D
Acq: 07 Aug 2020 12:03

Tgt Ion:284 Resp: 908
Ion Ratio Lower Upper
284 100
142 37.9 32.8 49.2
249 33.5 26.6 40.0



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#23

Atrazine

Concen: 0.235 ng

RT: 16.34 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

Instrument :

BNA_N

ClientSampled :

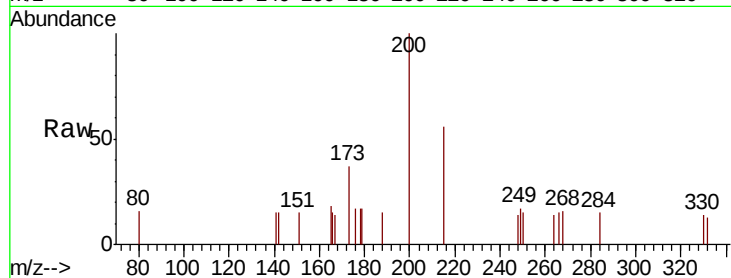
Tot Ion:200 Resp: 529

Ion Ratio Lower Upper

200 100

173 37.0 22.0 33.0#

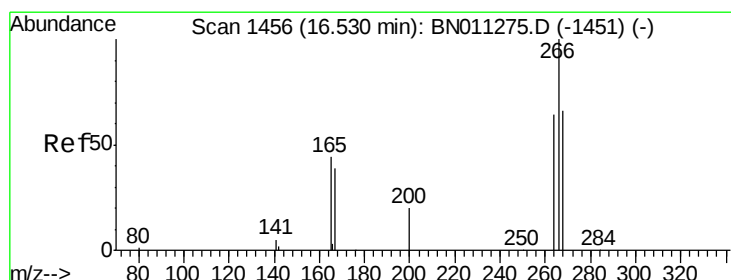
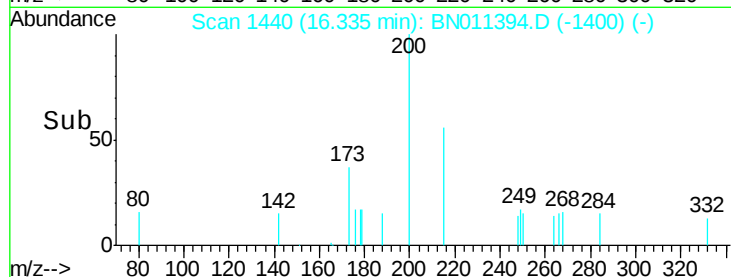
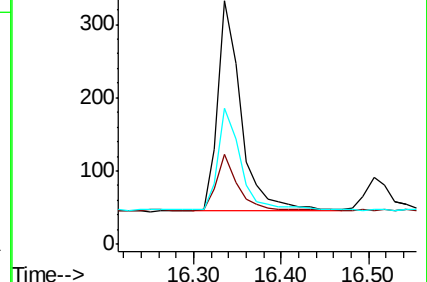
215 55.7 41.1 61.7



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: 0.481 ng

RT: 16.51 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

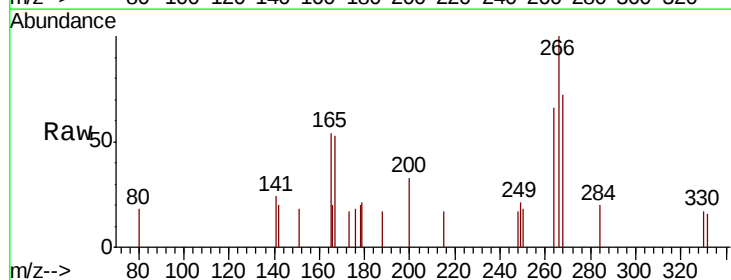
Tgt Ion:266 Resp: 488

Ion Ratio Lower Upper

266 100

264 63.7 51.1 76.7

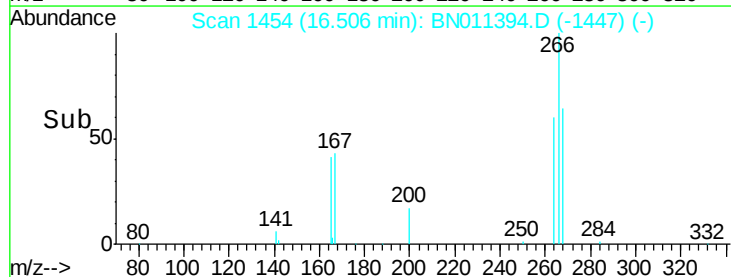
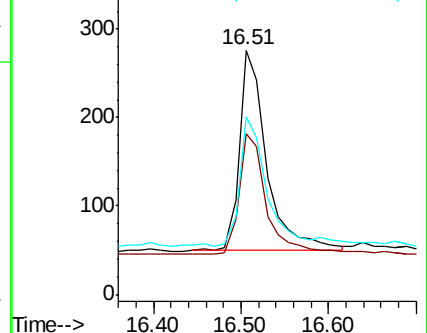
268 68.6 55.5 83.3

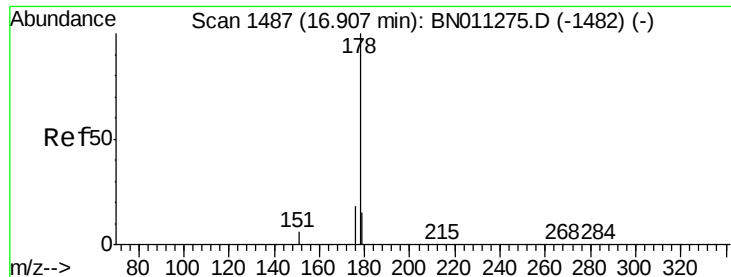


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Phenanthrene

Concen: 0.264 ng

RT: 16.88 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

Instrument :

BNA_N

ClientSampleId :

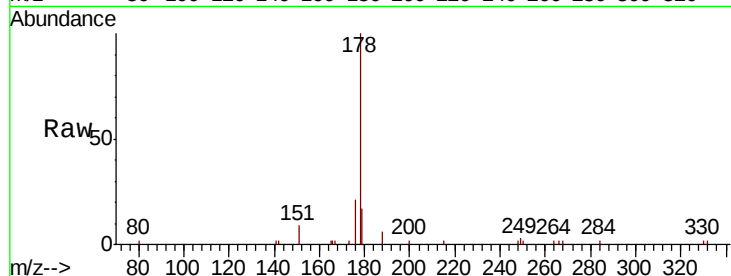
Tot Ion:178 Resp: 3733

Ion Ratio Lower Upper

178 100

176 19.9 14.9 22.3

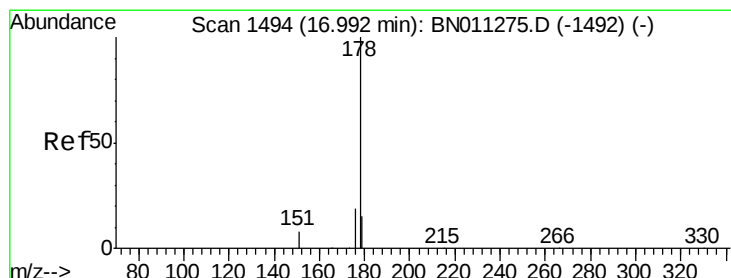
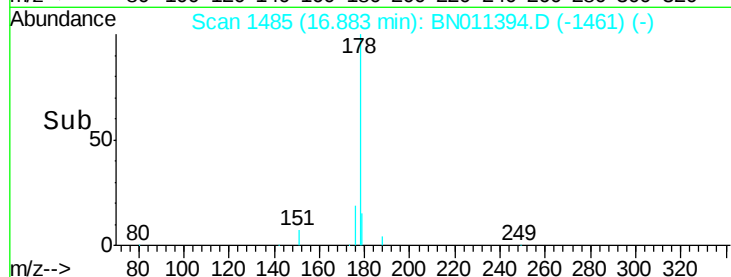
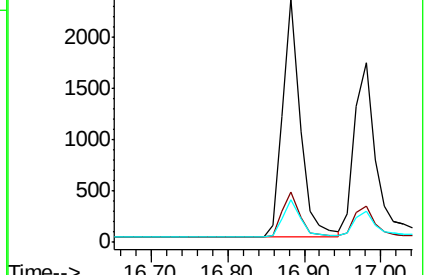
179 15.8 12.2 18.4



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: 0.279 ng

RT: 16.98 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

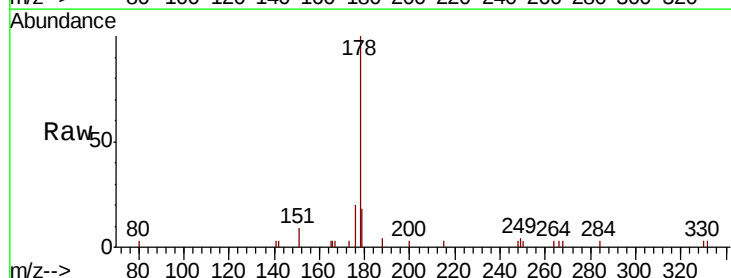
Tgt Ion:178 Resp: 3282

Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.6

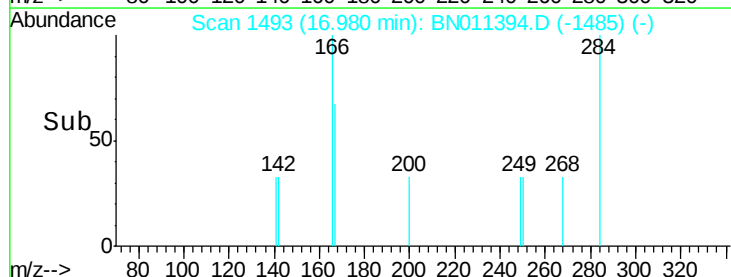
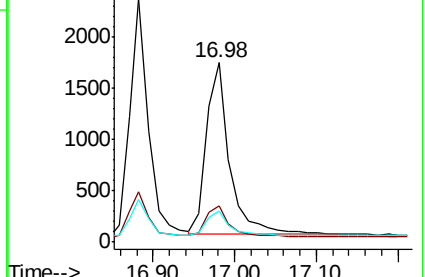
179 14.8 12.1 18.1

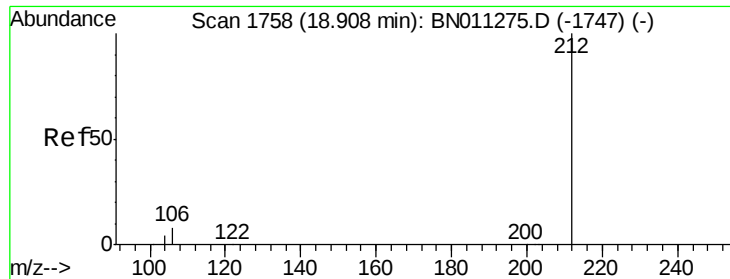


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#27

Fluoranthene-d10

Concen: 0.303 ng

RT: 18.88 min Scan# 1753

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

Instrument :

BNA_N

ClientSampleId :

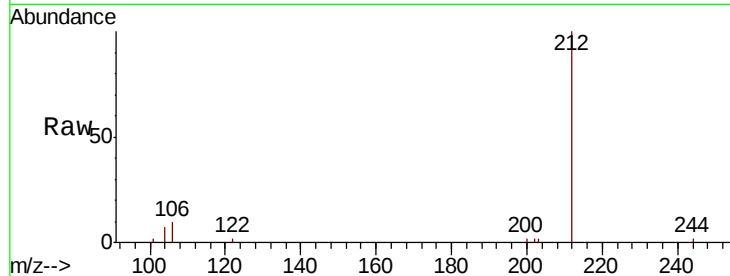
Tot Ion:212 Resp: 4020

Ion Ratio Lower Upper

212 100

106 7.9 6.9 10.3

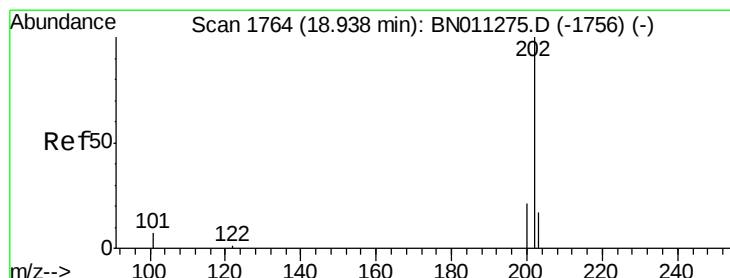
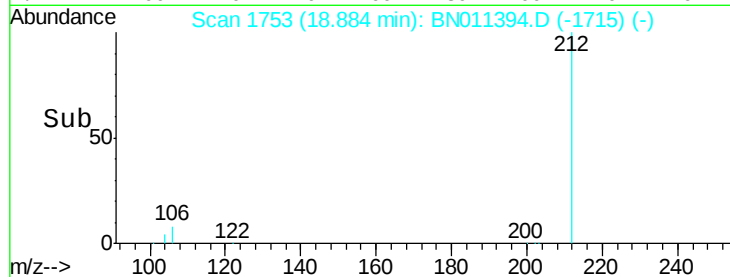
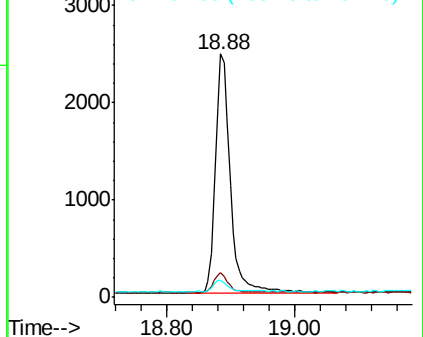
104 4.7 4.2 6.2



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: 0.268 ng

RT: 18.92 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

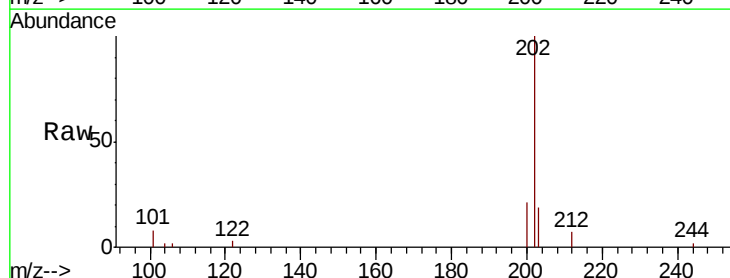
Tgt Ion:202 Resp: 4313

Ion Ratio Lower Upper

202 100

101 6.7 5.9 8.9

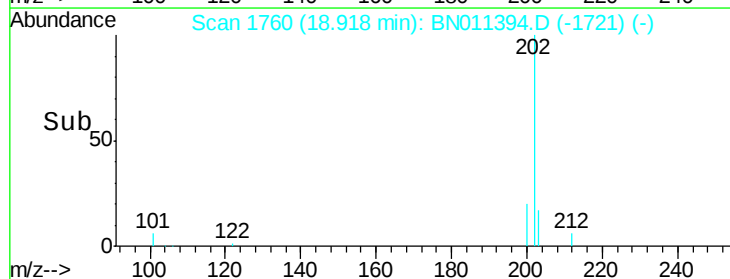
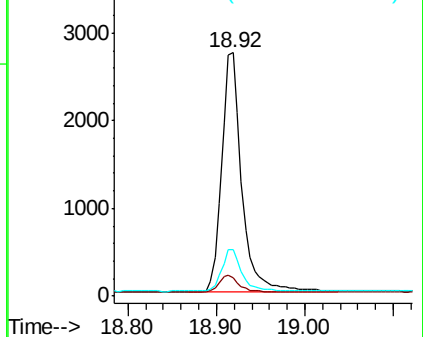
203 17.5 13.7 20.5

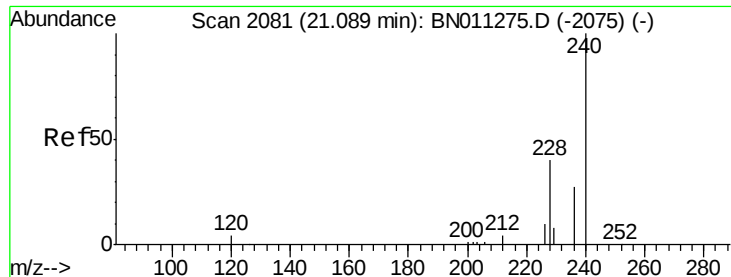


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

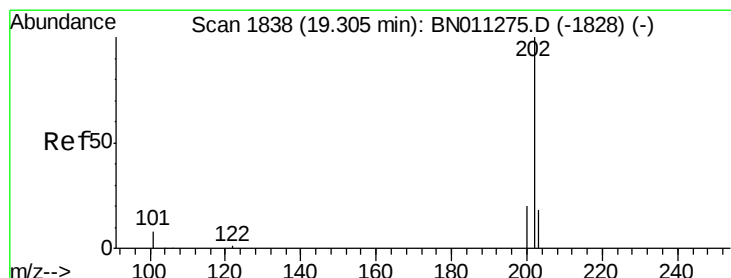
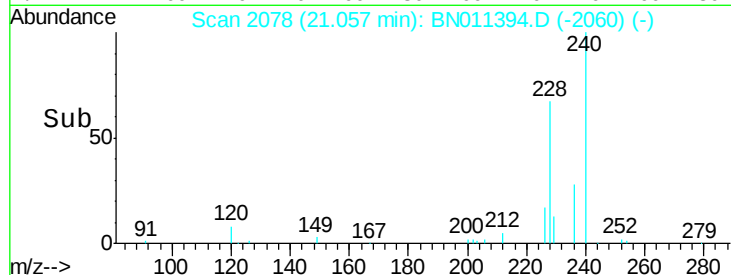
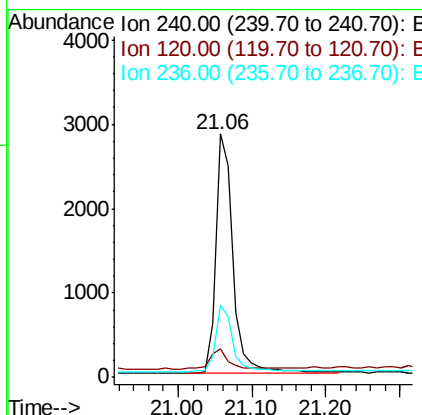
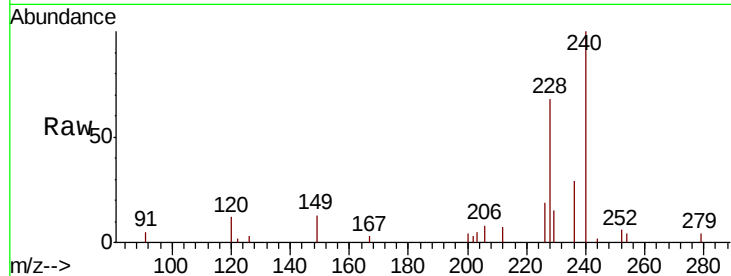




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.06 min Scan# 2078
Delta R.T. -0.01 min
Lab File: BN011394.D
Acq: 07 Aug 2020 12:03

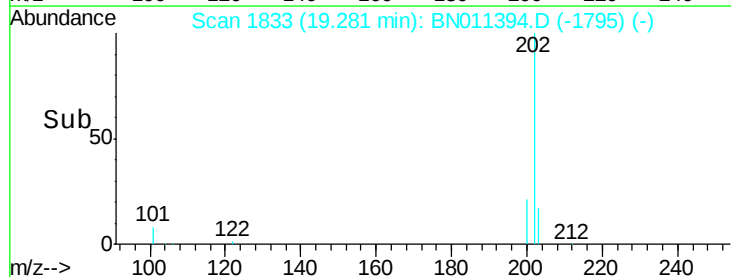
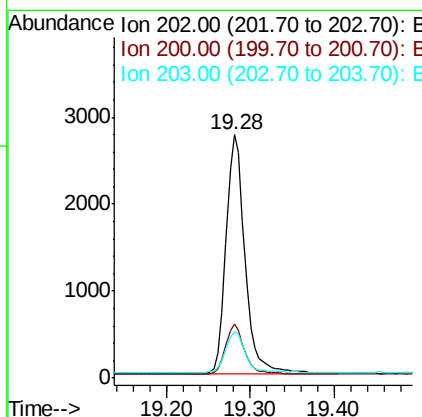
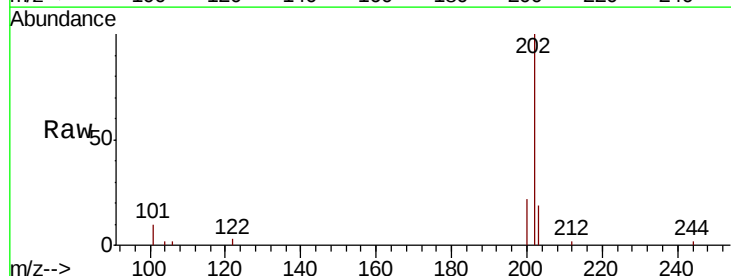
Instrument :
BNA_N
ClientSampleId :

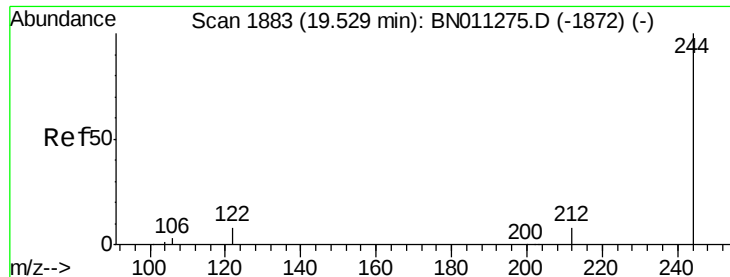
Tot Ion:240 Resp: 4665
Ion Ratio Lower Upper
240 100
120 11.6 5.8 8.8#
236 29.4 22.7 34.1



#30
Pyrene
Concen: 0.206 ng
RT: 19.28 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BN011394.D
Acq: 07 Aug 2020 12:03

Tgt Ion:202 Resp: 4341
Ion Ratio Lower Upper
202 100
200 20.7 16.3 24.5
203 18.3 14.1 21.1





#31

Terphenyl-d14

Concen: 0.302 ng

RT: 19.50 min Scan# 1878

Delta R.T. -0.01 min

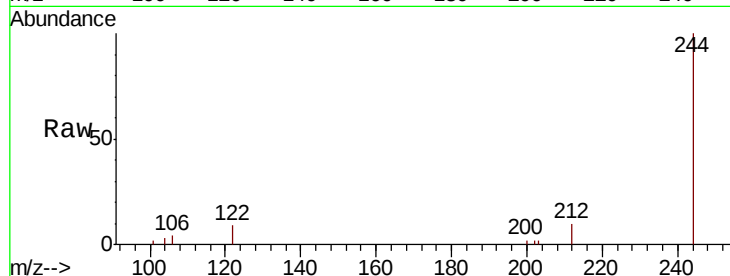
Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

Instrument :

BNA_N

ClientSampleId :



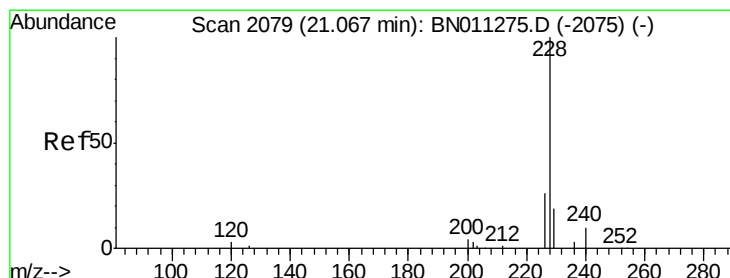
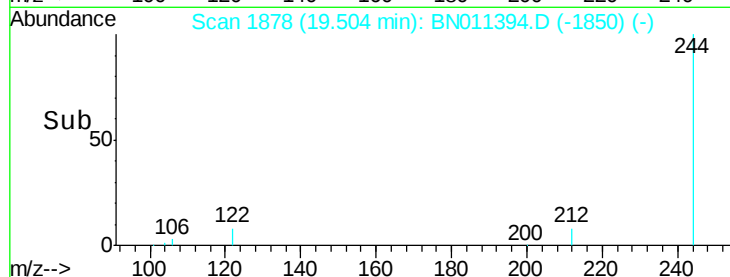
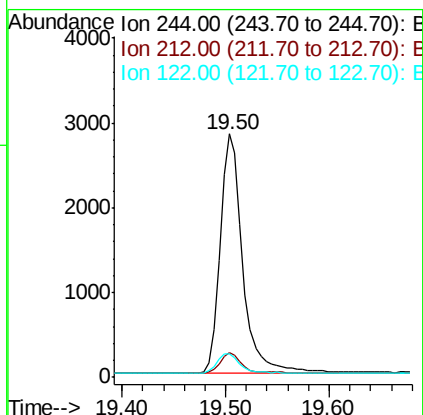
Tot Ion:244 Resp: 4266

Ion Ratio Lower Upper

244 100

212 10.0 7.6 11.4

122 9.4 7.5 11.3



#32

Benzo(a)anthracene

Concen: 0.307 ng

RT: 21.05 min Scan# 2077

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

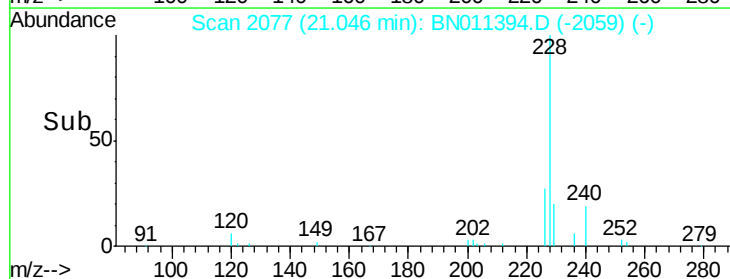
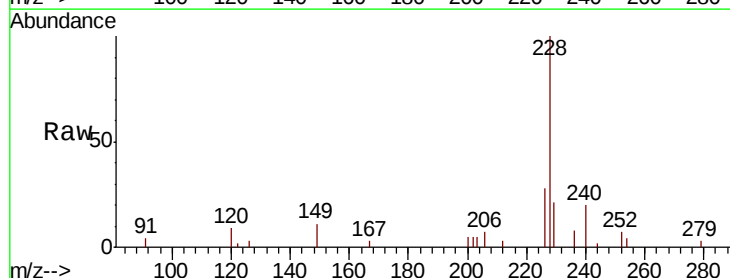
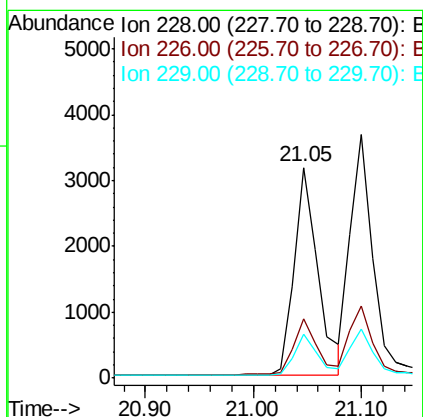
Tgt Ion:228 Resp: 4804

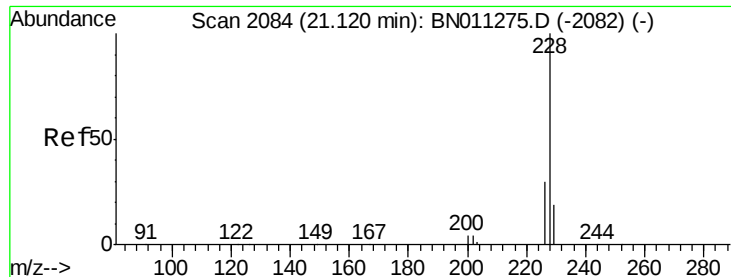
Ion Ratio Lower Upper

228 100

226 28.0 21.6 32.4

229 20.8 16.0 24.0





#33

Chrysene

Concen: 0.297 ng

RT: 21.10 min Scan# 2082

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

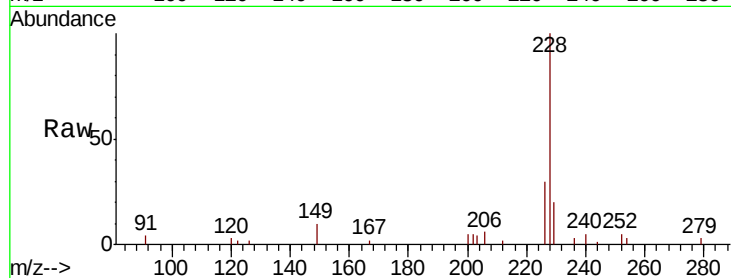
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 5217

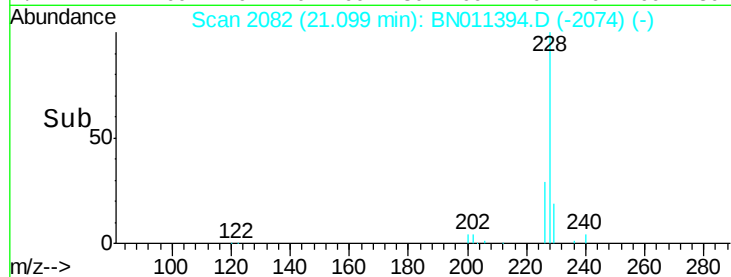
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.3	36.5
229	20.0	15.9	23.9



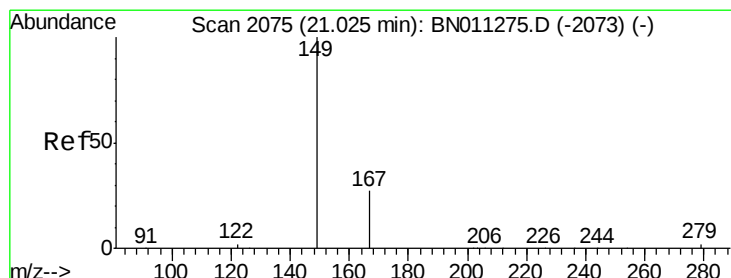
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.180 ng

RT: 21.00 min Scan# 2073

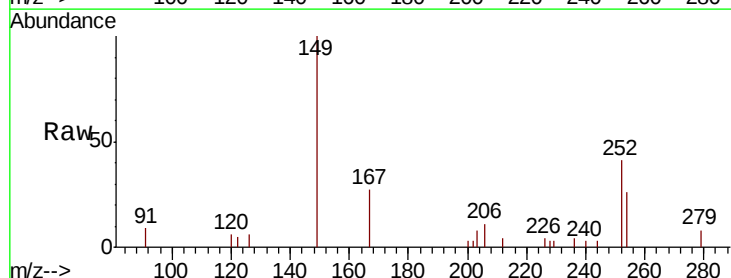
Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

Tgt Ion:149 Resp: 1509

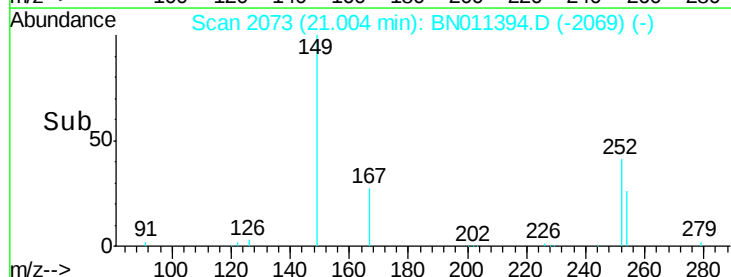
Ion	Ratio	Lower	Upper
149	100		
167	28.1	21.7	32.5
279	5.3	3.9	5.9



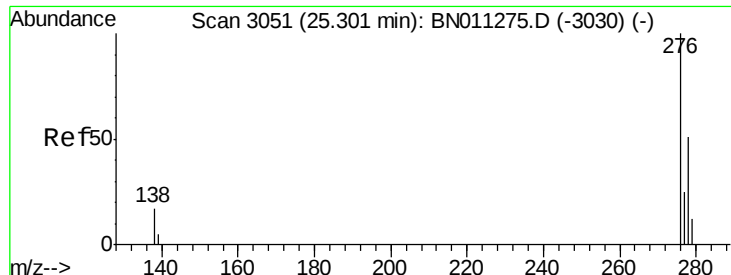
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



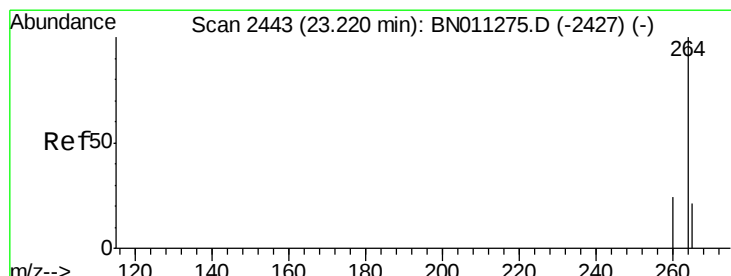
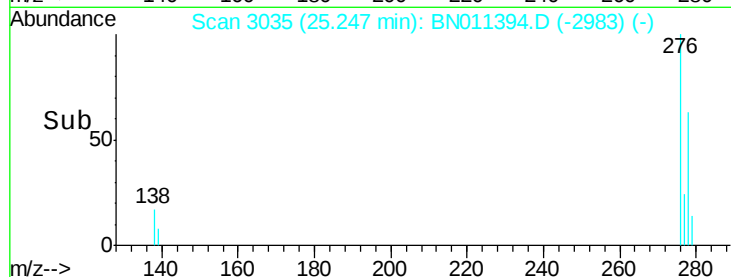
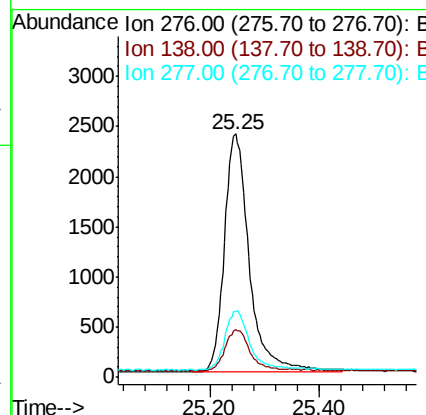
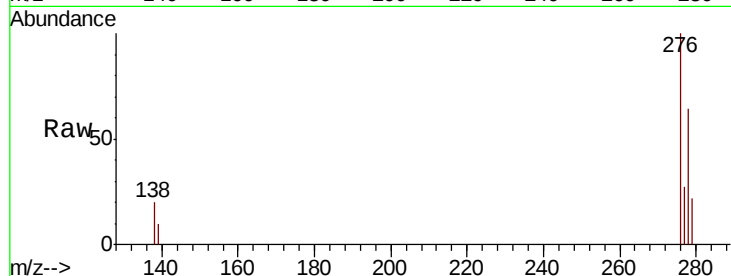
Time-->



#35
Indeno(1,2,3-cd)pyrene
Concen: 0.445 ng
RT: 25.25 min Scan# 3035
Delta R.T. -0.02 min
Lab File: BN011394.D
Acq: 07 Aug 2020 12:03

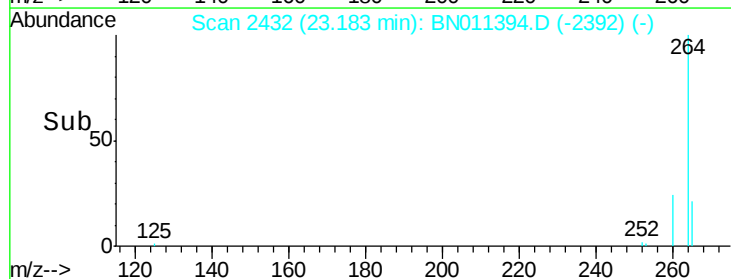
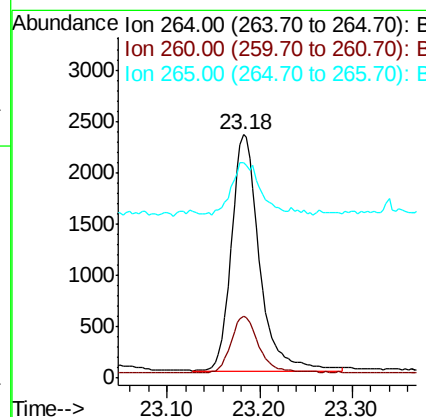
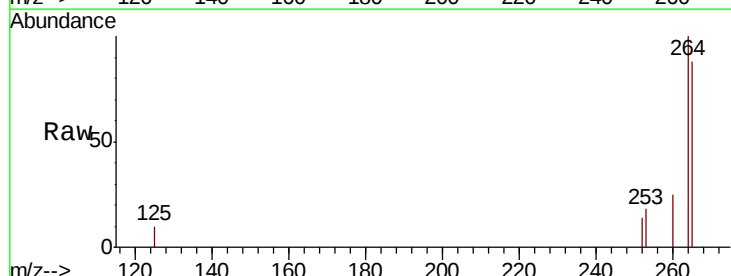
Instrument :
BNA_N
ClientSampleId :

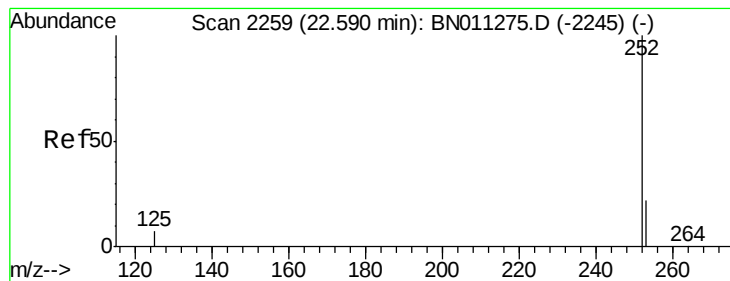
Tot Ion:276 Resp: 7620
Ion Ratio Lower Upper
276 100
138 17.0 13.6 20.4
277 24.3 19.7 29.5



#36
Perylene-d12
Concen: 0.400 ng
RT: 23.18 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BN011394.D
Acq: 07 Aug 2020 12:03

Tgt Ion:264 Resp: 4852
Ion Ratio Lower Upper
264 100
260 25.3 20.1 30.1
265 88.4 70.7 106.1





#37

Benzo(b)fluoranthene

Concen: 0.287 ng

RT: 22.56 min Scan# 2250

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

Instrument :

BNA_N

ClientSampleId :

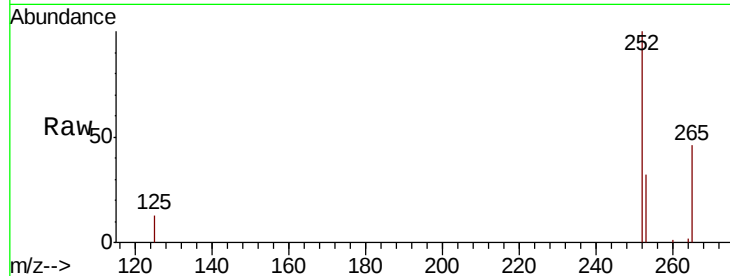
Tot Ion:252 Resp: 5544

Ion Ratio Lower Upper

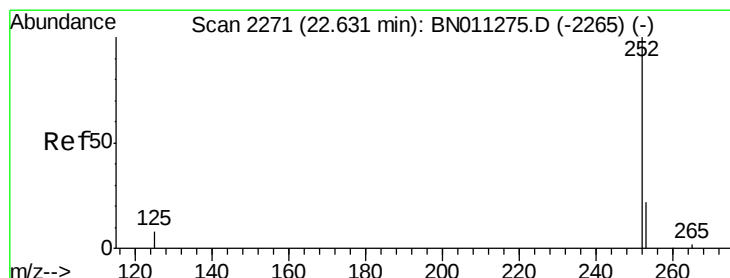
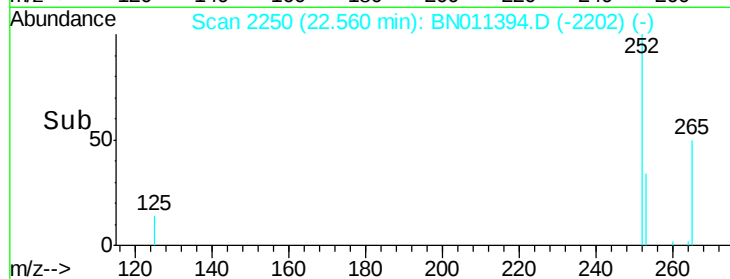
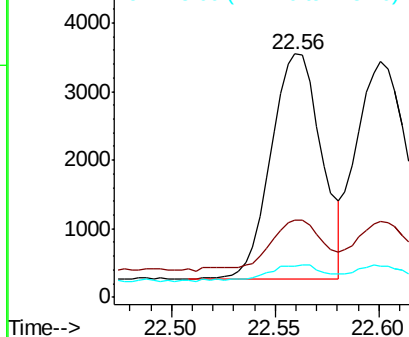
252 100

253 31.7 23.1 34.7

125 12.6 9.4 14.2



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: 0.265 ng

RT: 22.60 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

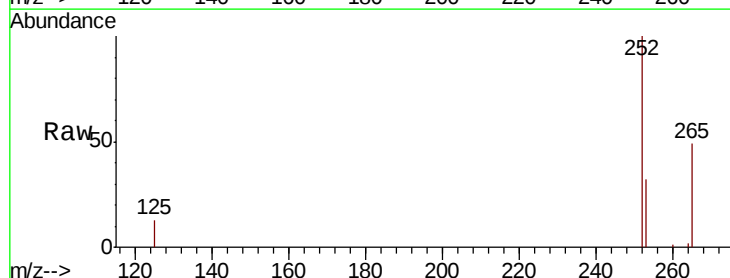
Tgt Ion:252 Resp: 5653

Ion Ratio Lower Upper

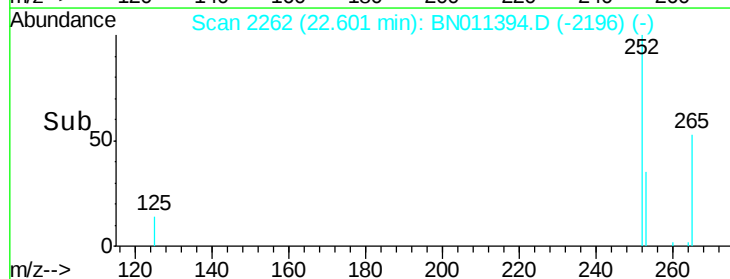
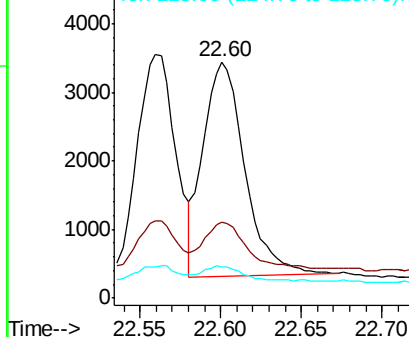
252 100

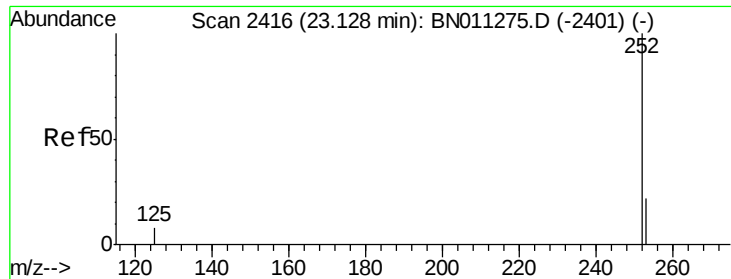
253 31.9 22.9 34.3

125 13.3 11.3 16.9



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: 0.274 ng

RT: 23.09 min Scan# 2406

Delta R.T. -0.01 min

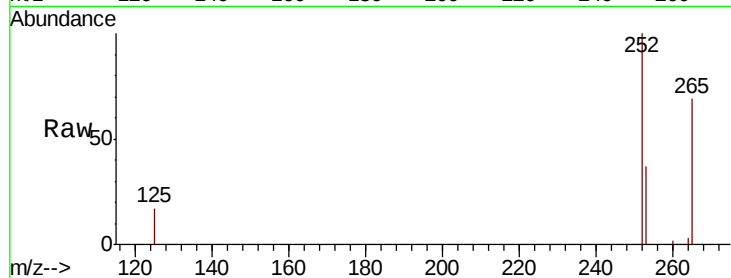
Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

Instrument :

BNA_N

ClientSampleId :



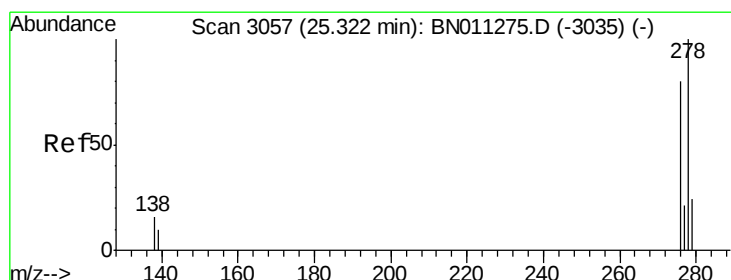
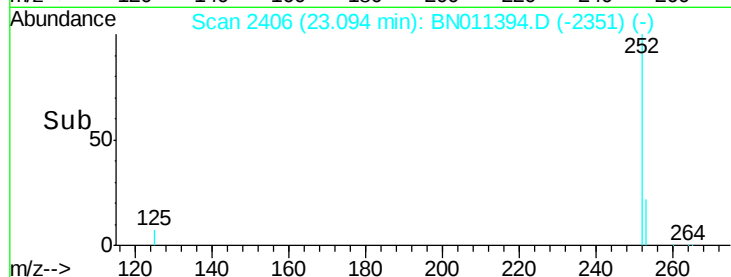
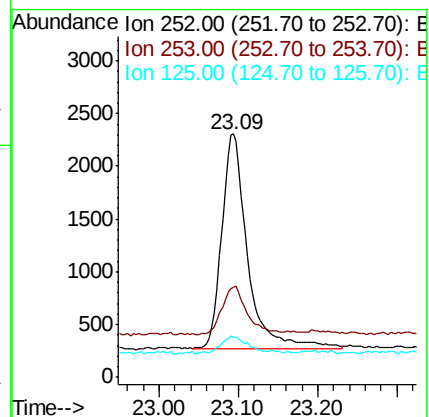
Tot Ion:252 Resp: 4606

Ion Ratio Lower Upper

252 100

253 37.0 26.6 39.8

125 16.7 12.7 19.1



#40

Dibenzo(a,h)anthracene

Concen: 0.359 ng

RT: 25.26 min Scan# 3038

Delta R.T. -0.02 min

Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

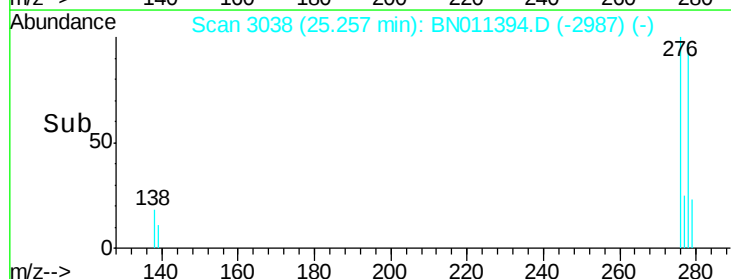
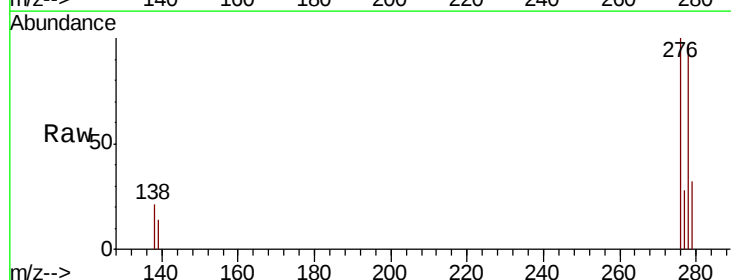
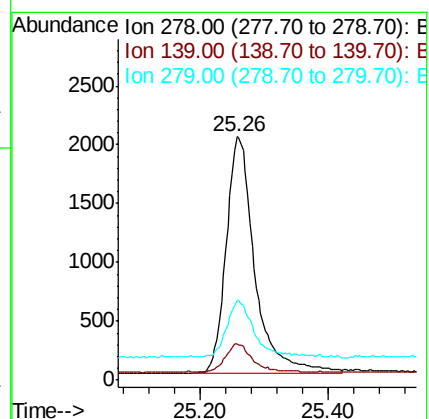
Tgt Ion:278 Resp: 6241

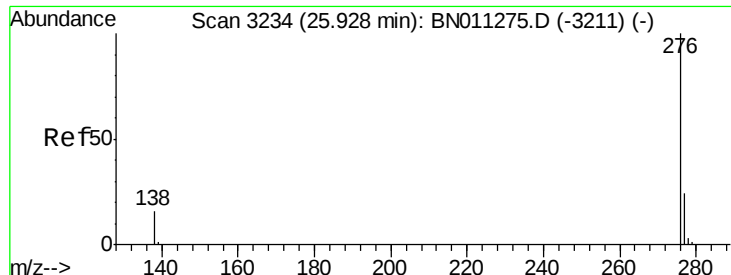
Ion Ratio Lower Upper

278 100

139 14.7 12.4 18.6

279 32.5 25.8 38.6





#41

Benzo(a,h,i)perylene

Concen: 0.321 ng

RT: 25.87 min Scan# 3217

Delta R.T. -0.02 min

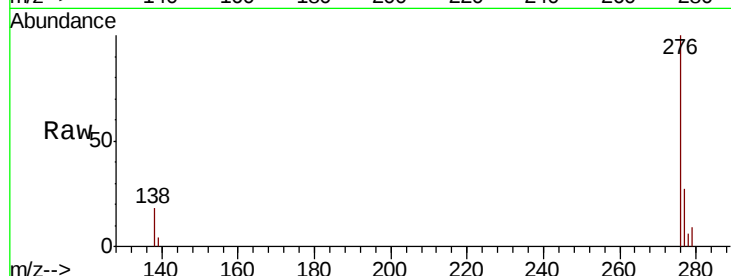
Lab File: BN011394.D

Acq: 07 Aug 2020 12:03

Instrument :

BNA_N

ClientSampleId :



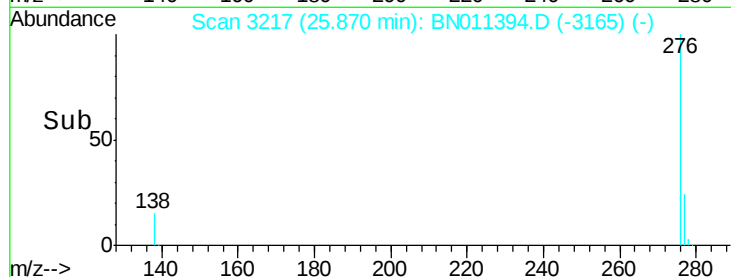
Tot Ion: 276 Resp: 6185

Ion Ratio Lower Upper

276 100

277 26.5 21.0 31.6

138 17.7 15.0 22.6



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

