

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062220\
 Data File : BN011007.D
 Acq On : 22 Jun 2020 13:52
 Operator : CG/JU
 Sample : L3043-11MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE139D2-20200616MS

Quant Time: Jun 22 14:21:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 22 12:02:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	1987	0.40	ng	0.00
7) Naphthalene-d8	10.28	136	6549	0.40	ng	0.00
13) Acenaphthene-d10	14.15	164	3679	0.40	ng	0.00
19) Phenanthrene-d10	16.90	188	7009	0.40	ng	-0.01
27) Chrysene-d12	21.11	240	8166	0.40	ng	-0.01
34) Perylene-d12	23.26	264	7713	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	536	0.14	ng	0.00
5) Phenol-d6	6.73	99	410	0.09	ng	0.00
8) Nitrobenzene-d5	8.67	82	1926	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	11.88	152	3219	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.66	330	314	0.24	ng	0.00
15) 2-Fluorobiphenyl	12.76	172	5569	0.38	ng	-0.01
25) Fluoranthene-d10	18.94	212	7068	0.37	ng	0.00
29) Terphenyl-d14	19.56	244	8150	0.43	ng	0.00

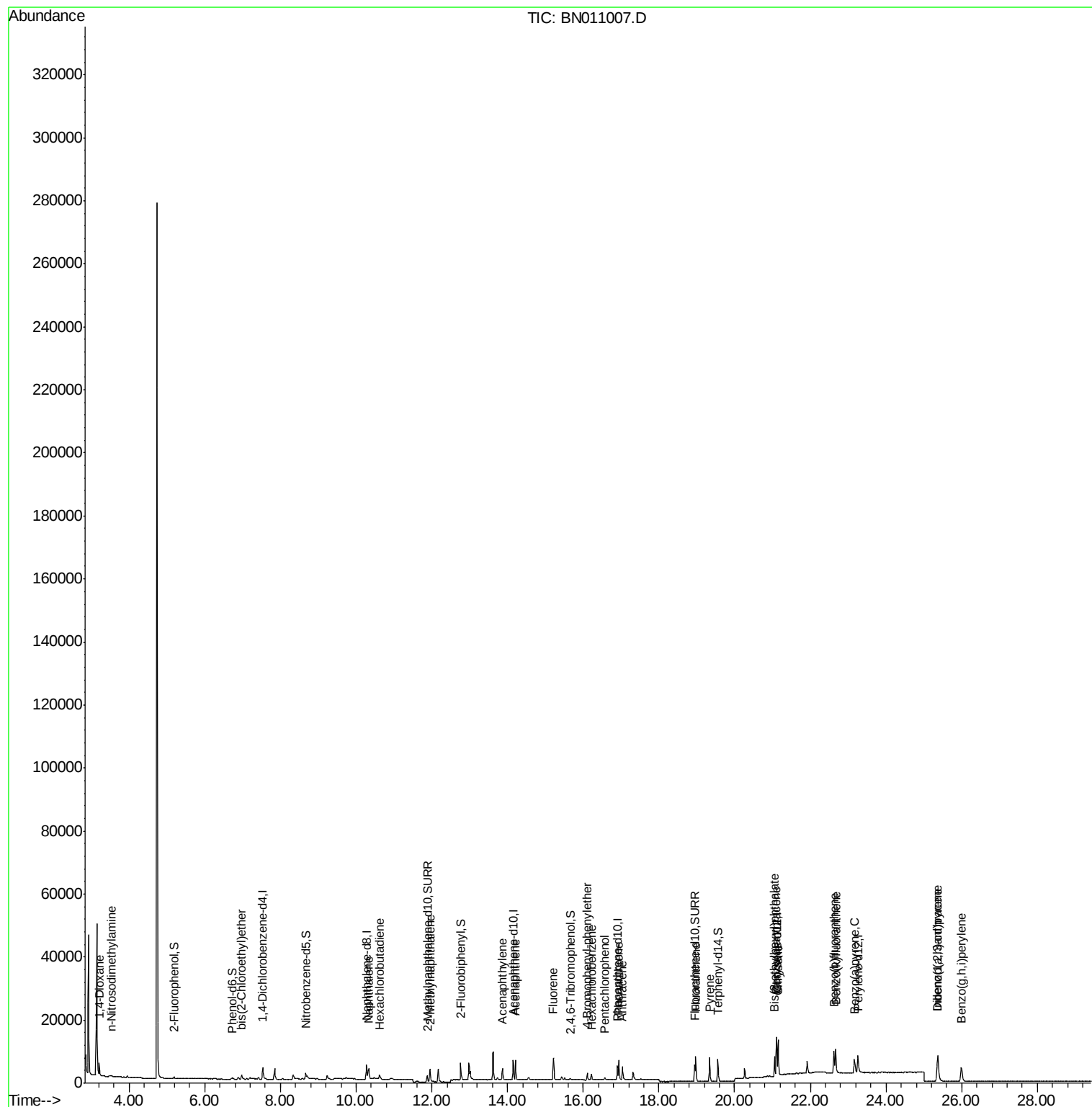
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.21	88	2998	1.540	ng	# 95
3) n-Nitrosodimethylamine	3.54	42	149	0.132	ng	# 86
6) bis(2-Chloroethyl)ether	6.98	93	1359	0.308	ng	97
9) Naphthalene	10.33	128	4951	0.301	ng	99
10) Hexachlorobutadiene	10.62	225	1093	0.269	ng	# 98
12) 2-Methylnaphthalene	11.95	142	3246	0.295	ng	99
16) Acenaphthylene	13.87	152	4367	0.290	ng	99
17) Acenaphthene	14.21	154	3136	0.305	ng	99
18) Fluorene	15.21	166	3661	0.276	ng	98
20) 4-Bromophenyl-phenylether	16.10	248	1244	0.295	ng	# 76
21) Hexachlorobenzene	16.22	284	1410	0.321	ng	98
22) Pentachlorophenol	16.57	266	378	0.256	ng	100
23) Phenanthrene	16.94	178	6481	0.339	ng	99
24) Anthracene	17.04	178	5337	0.334	ng	100
26) Fluoranthene	18.97	202	7849	0.361	ng	99
28) Pyrene	19.34	202	7909	0.293	ng	100
30) Benzo(a)anthracene	21.10	228	9126	0.380	ng	99
31) Chrysene	21.15	228	9733	0.348	ng	98
32) Bis(2-ethylhexyl)phthalate	21.06	149	4291	0.536	ng	96
33) Indeno(1,2,3-cd)pyrene	25.36	276	10926	0.350	ng	# 97
35) Benzo(b)fluoranthene	22.63	252	8729	0.333	ng	99
36) Benzo(k)fluoranthene	22.67	252	9940	0.356	ng	98
37) Benzo(a)pyrene	23.17	252	7685	0.342	ng	98
38) Dibenzo(a,h)anthracene	25.37	278	9013	0.351	ng	99
39) Benzo(g,h,i)perylene	25.99	276	9788	0.365	ng	99

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

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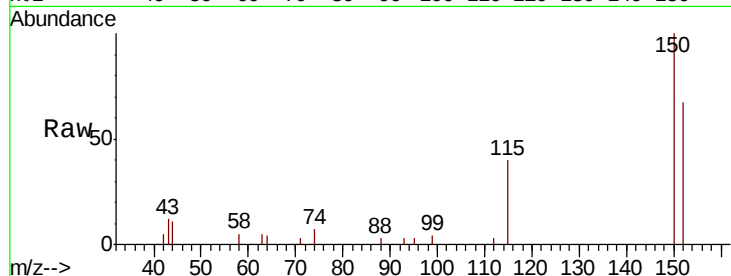


#1

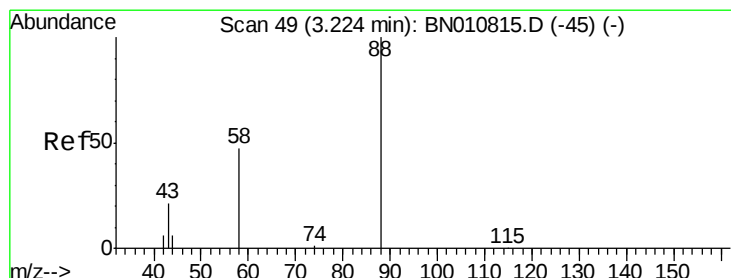
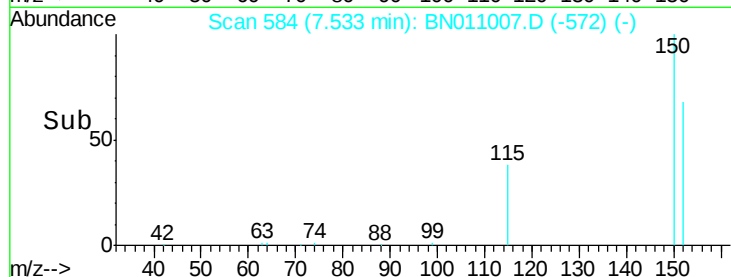
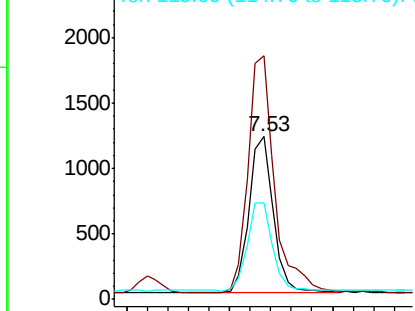
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.53 min Scan# 584
Delta R.T. 0.00 min
Lab File: BN011007.D
Acq: 22 Jun 2020 13:52

Instrument :
BNA_N
ClientSampleId :
RE139D2-20200616MS

Tot Ion:152 Resp: 1987
Ion Ratio Lower Upper
152 100
150 149.6 123.8 185.6
115 59.5 49.2 73.8



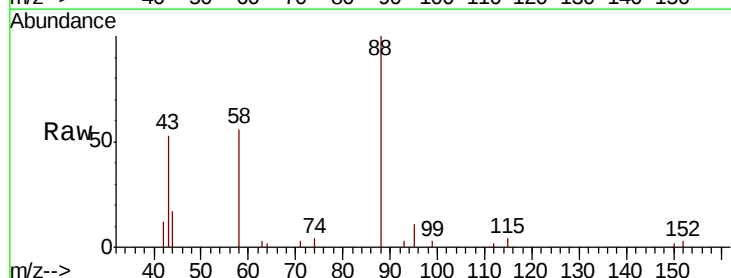
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



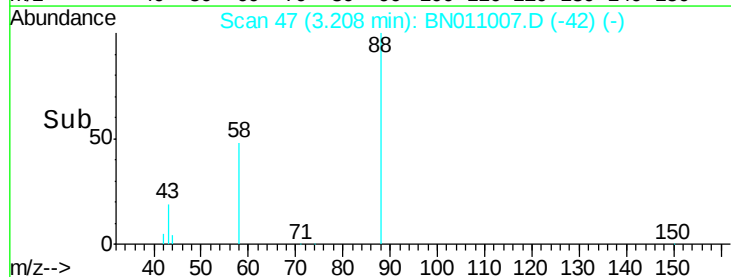
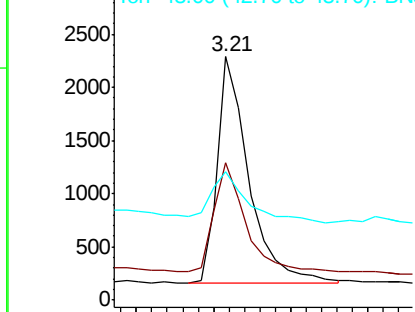
#2

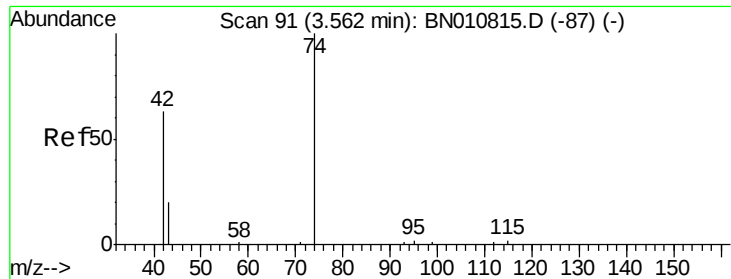
1,4-Dioxane
Concen: 1.540 ng
RT: 3.21 min Scan# 47
Delta R.T. -0.01 min
Lab File: BN011007.D
Acq: 22 Jun 2020 13:52

Tgt Ion: 88 Resp: 2998
Ion Ratio Lower Upper
88 100
58 47.4 38.2 57.4
43 26.6 15.1 22.7#



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: 0.132 ng

RT: 3.54 min Scan# 88

Delta R.T. -0.02 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

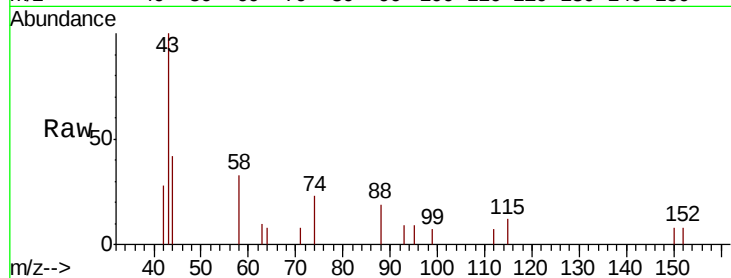
Tot Ion: 42 Resp: 149

Ion Ratio Lower Upper

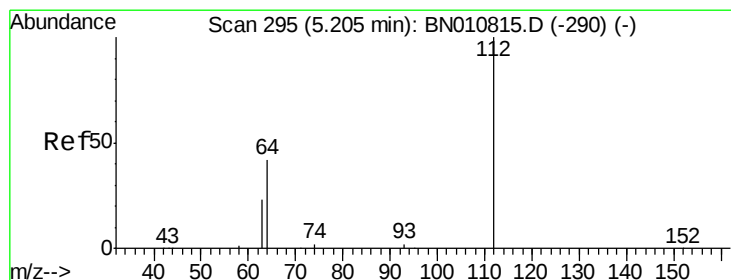
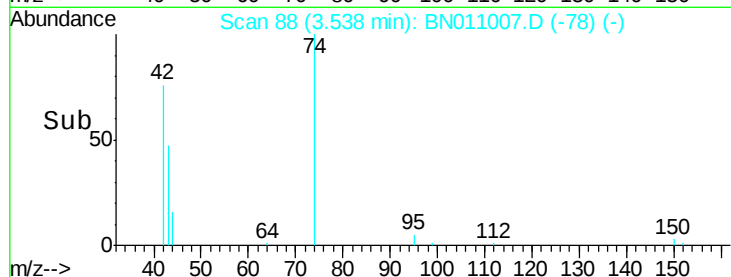
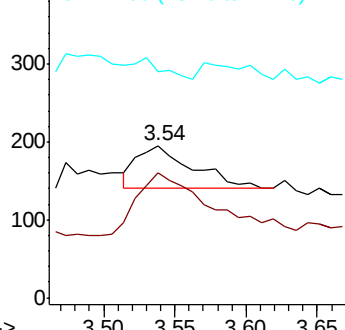
42 100

74 196.0 140.7 211.1

44 0.0 1.4 2.2#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.140 ng

RT: 5.19 min Scan# 293

Delta R.T. 0.01 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

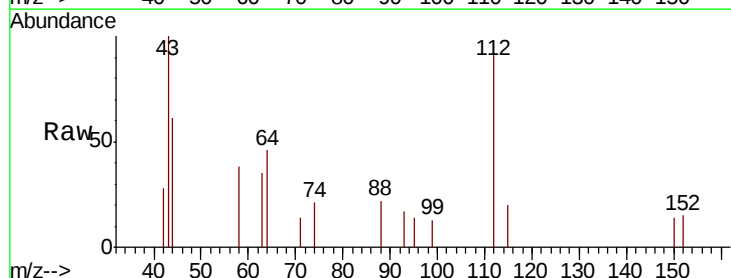
Tgt Ion: 112 Resp: 536

Ion Ratio Lower Upper

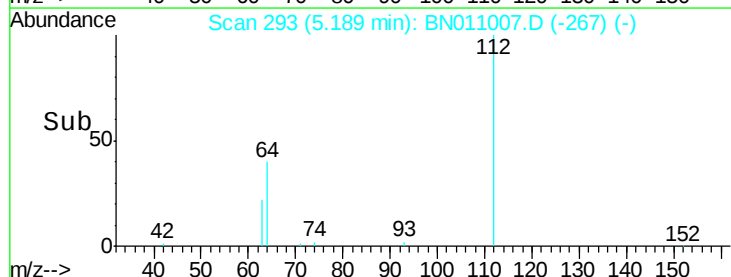
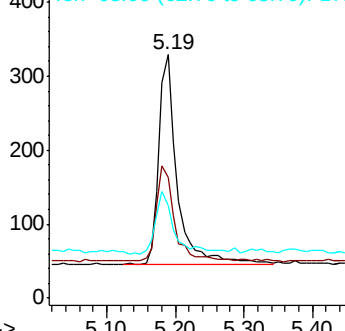
112 100

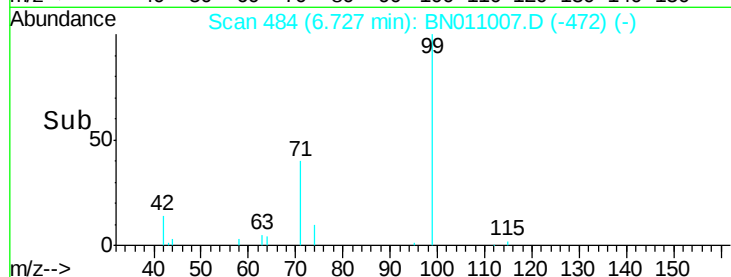
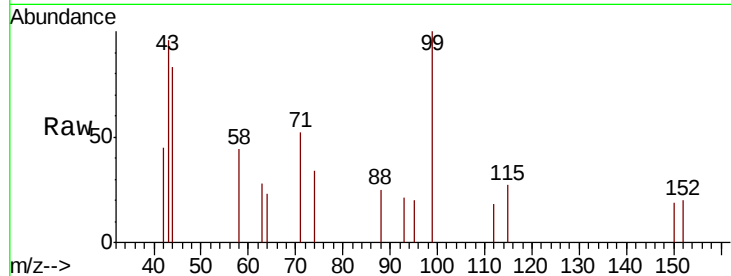
64 43.8 37.4 56.0

63 29.7 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.091 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

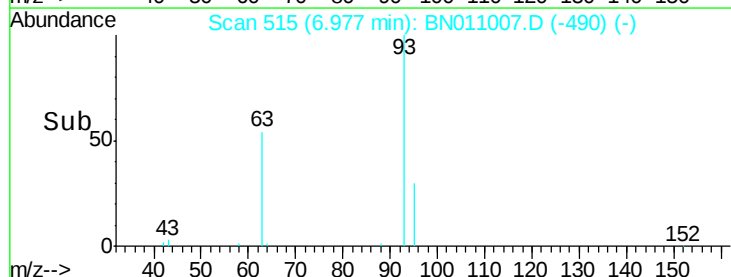
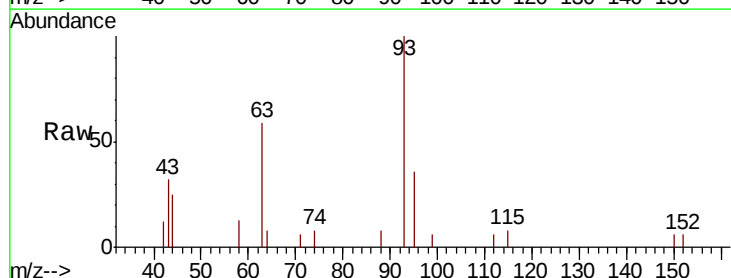
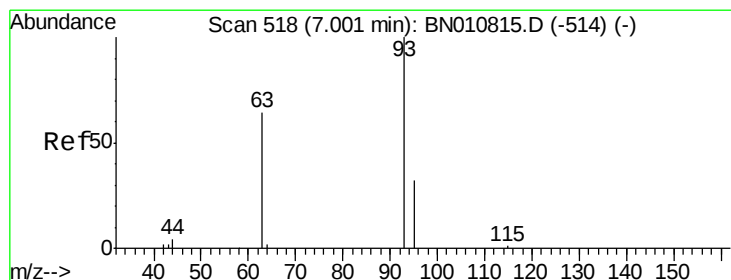
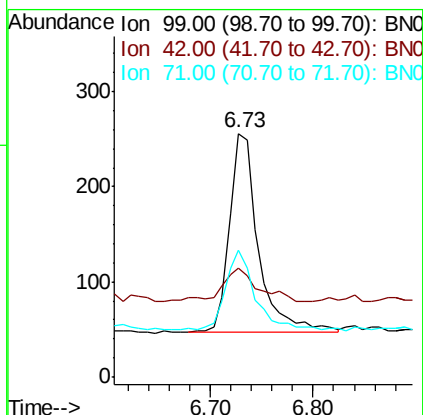
Tot Ion: 99 Resp: 410

Ion Ratio Lower Upper

99 100

42 19.3 11.1 16.7#

71 41.7 31.4 47.2



#6

bis(2-Chloroethyl)ether

Concen: 0.308 ng

RT: 6.98 min Scan# 515

Delta R.T. 0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

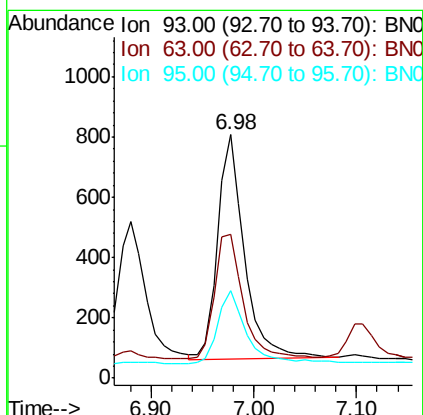
Tgt Ion: 93 Resp: 1359

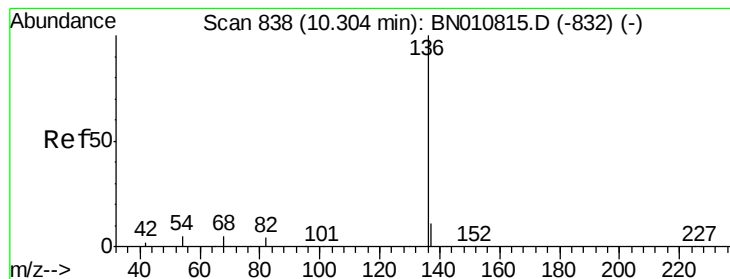
Ion Ratio Lower Upper

93 100

63 59.1 49.4 74.2

95 34.1 26.7 40.1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.28 min Scan# 836

Delta R.T. 0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

Tot Ion:136 Resp: 6549

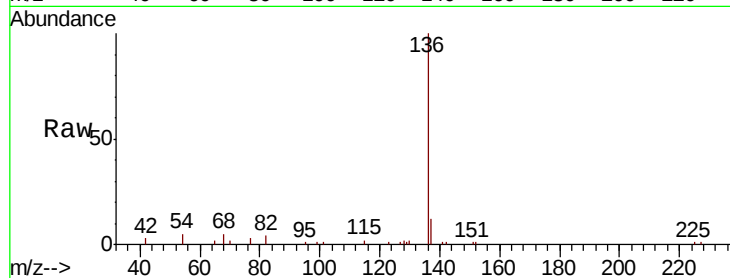
Ion Ratio Lower Upper

136 100

137 11.8 9.7 14.5

54 4.6 4.9 7.3#

68 5.5 4.7 7.1

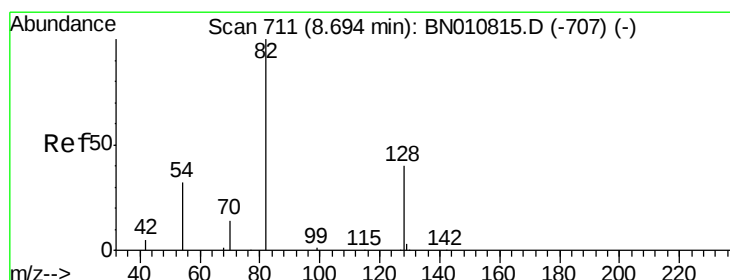
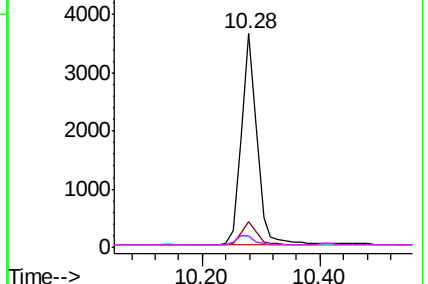
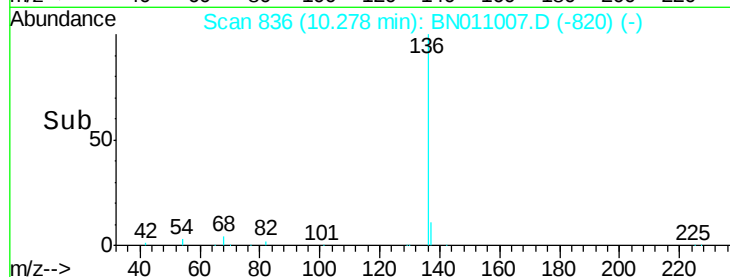


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.397 ng

RT: 8.67 min Scan# 709

Delta R.T. 0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

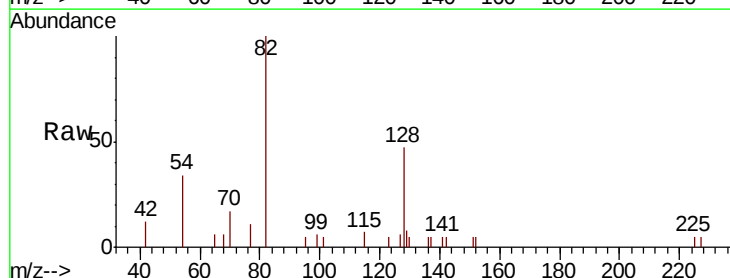
Tgt Ion: 82 Resp: 1926

Ion Ratio Lower Upper

82 100

128 47.1 35.4 53.0

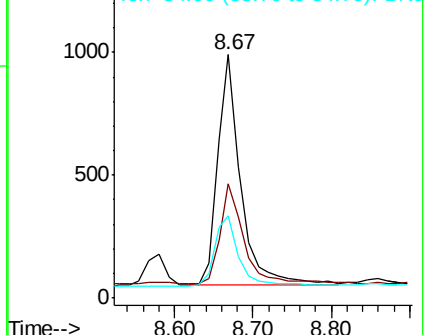
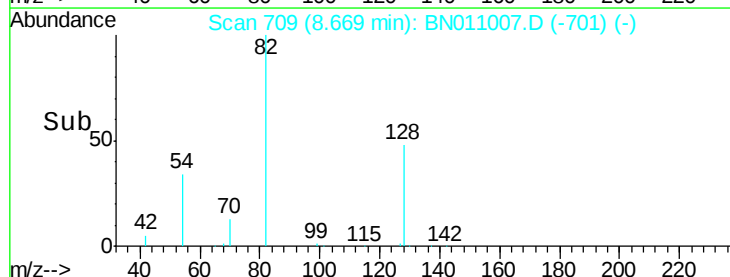
54 33.7 28.2 42.4



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





#9

Naphthalene

Concen: 0.301 ng

RT: 10.33 min Scan# 840

Delta R.T. 0.00 min

Lab File: BN011007.D

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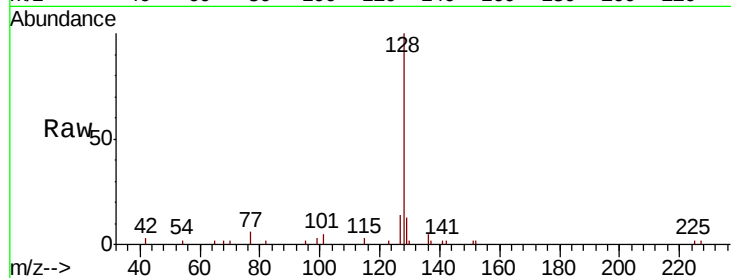
Tot Ion:128 Resp: 4951

Ion Ratio Lower Upper

128 100

129 13.0 9.6 14.4

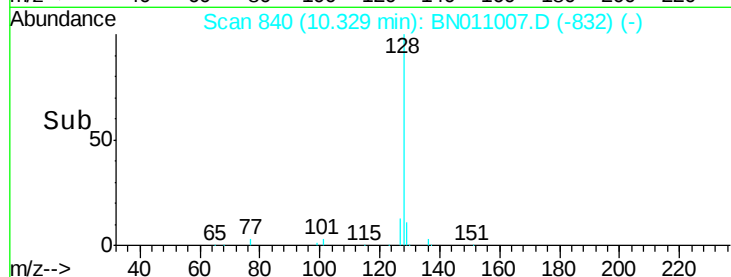
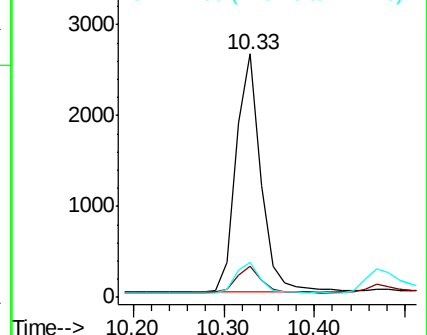
127 14.4 11.4 17.2



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: 0.269 ng

RT: 10.62 min Scan# 863

Delta R.T. 0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

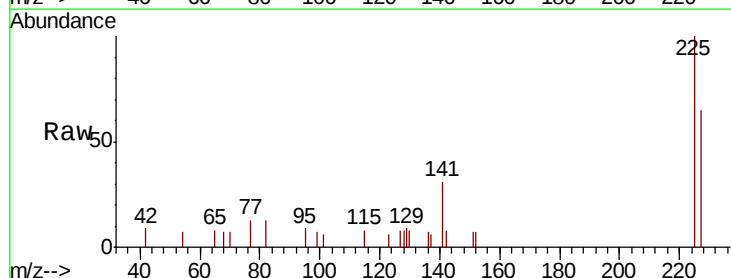
Tgt Ion:225 Resp: 1093

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

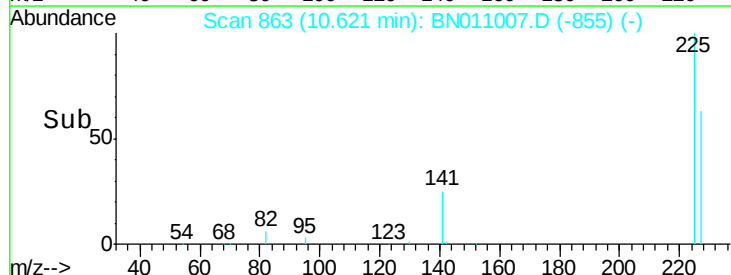
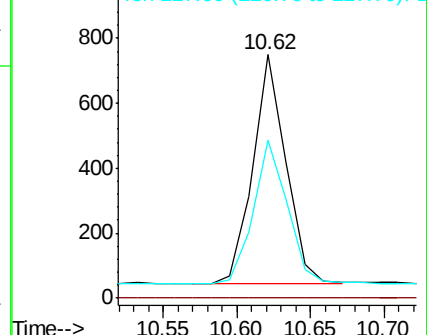
227 64.5 50.5 75.7

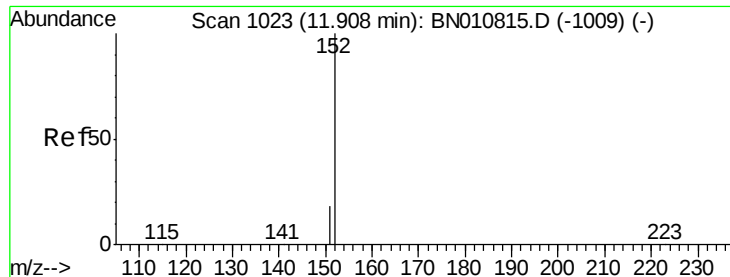


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

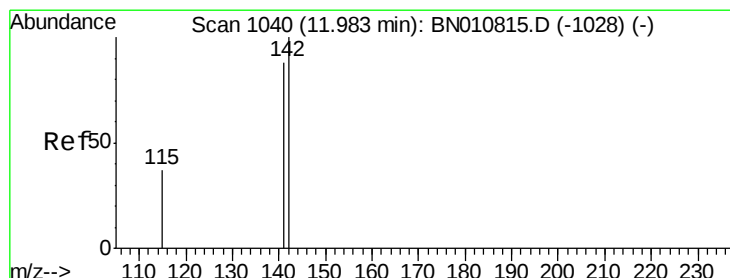
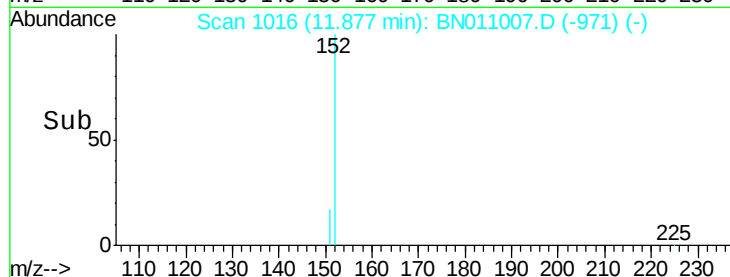
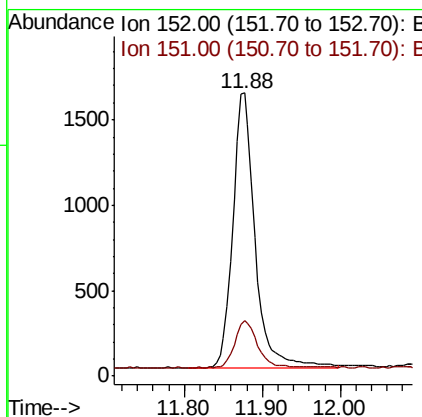
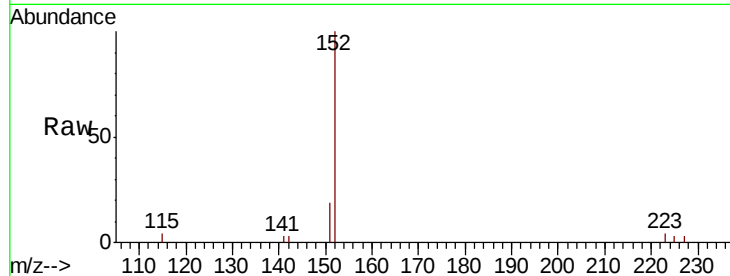




#11
 2-Methylnaphthalene-d10
 Concen: 0.317 ng
 RT: 11.88 min Scan# 1016
 Delta R.T. 0.00 min
 Lab File: BN011007.D
 Acq: 22 Jun 2020 13:52

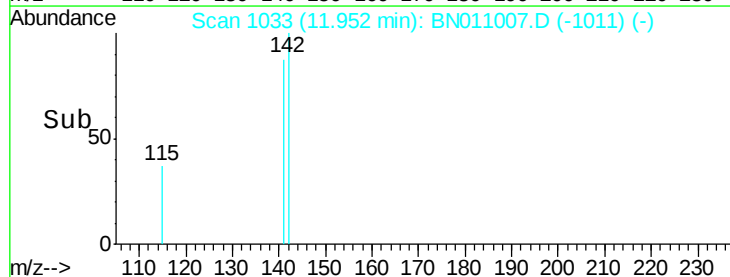
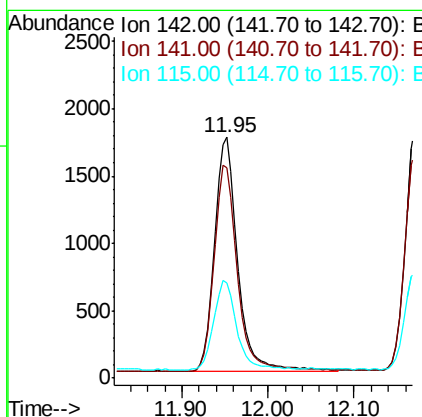
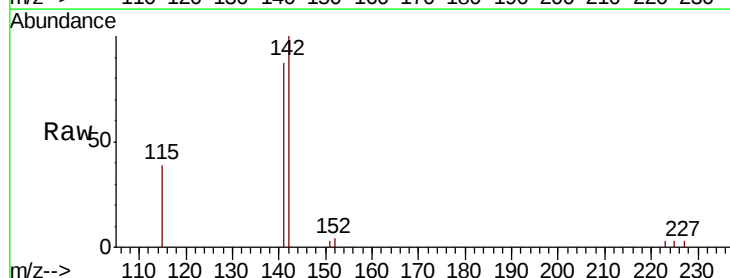
Instrument :
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 RE139D2-20200616MS

Tot Ion:152 Resp: 3219
 Ion Ratio Lower Upper
 152 100
 151 17.5 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.295 ng
 RT: 11.95 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BN011007.D
 Acq: 22 Jun 2020 13:52

Tgt Ion:142 Resp: 3246
 Ion Ratio Lower Upper
 142 100
 141 87.4 70.8 106.2
 115 39.5 31.5 47.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.15 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

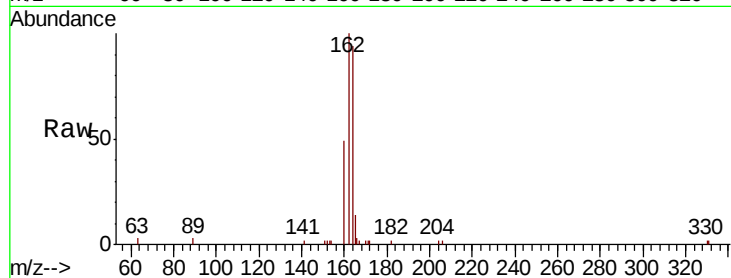
Tot Ion:164 Resp: 3679

Ion Ratio Lower Upper

164 100

162 106.0 81.0 121.6

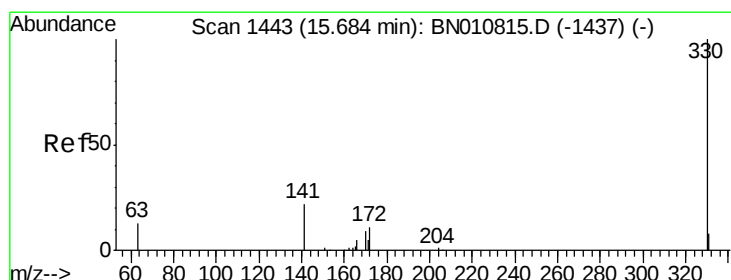
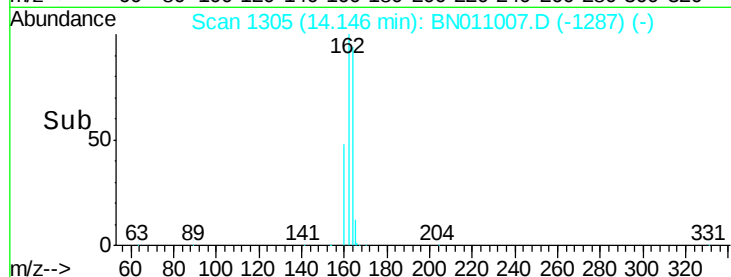
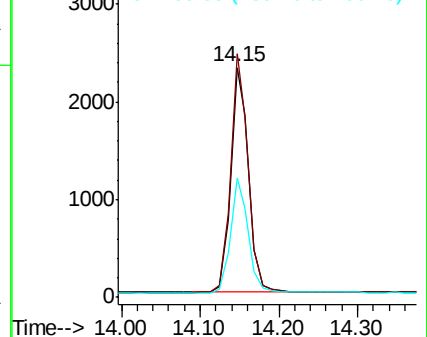
160 51.9 38.9 58.3



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: 0.239 ng

RT: 15.66 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

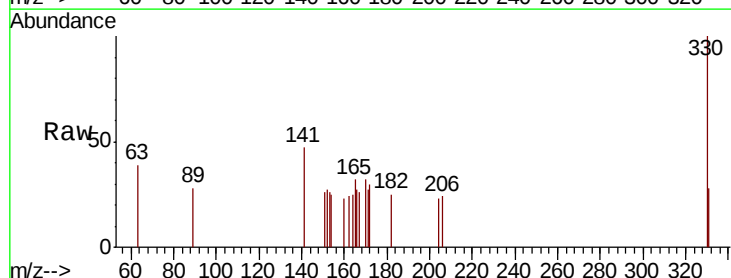
Tgt Ion:330 Resp: 314

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

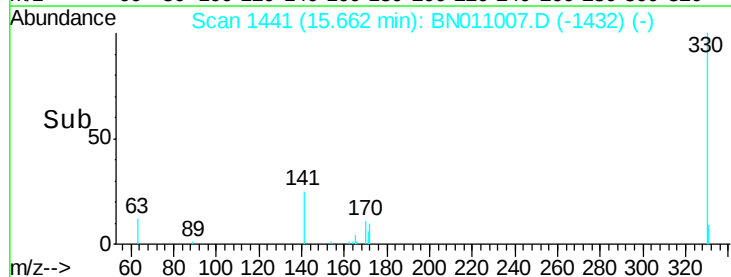
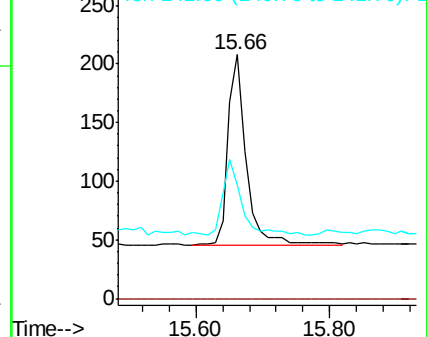
141 39.8 33.2 49.8

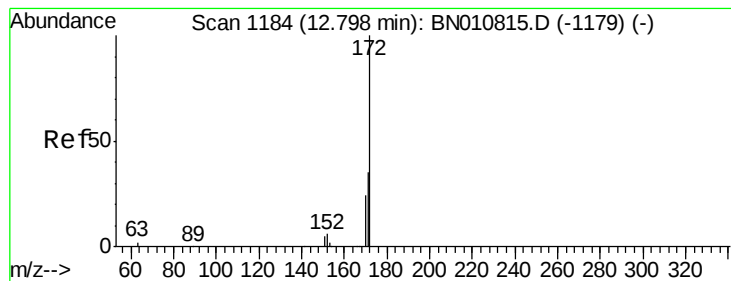


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.384 ng

RT: 12.76 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

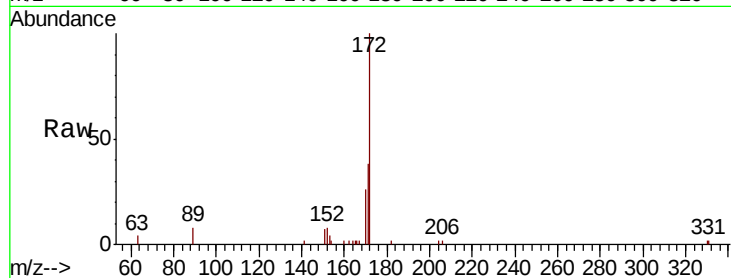
Tot Ion:172 Resp: 5569

Ion Ratio Lower Upper

172 100

171 37.6 28.5 42.7

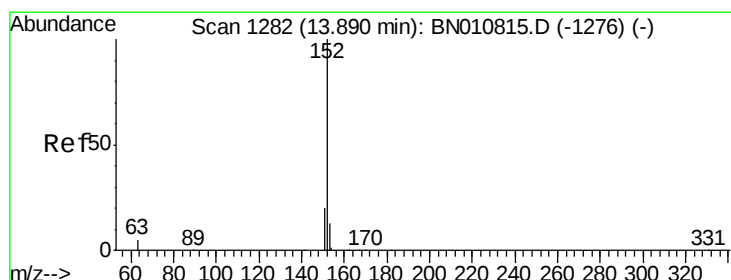
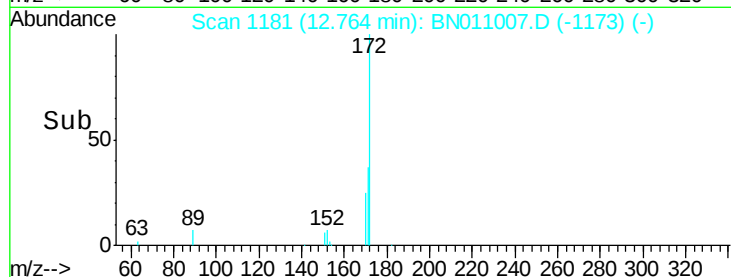
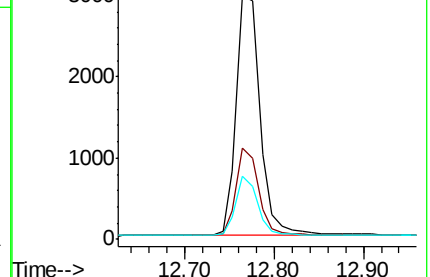
170 26.1 19.7 29.5



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: 0.290 ng

RT: 13.87 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

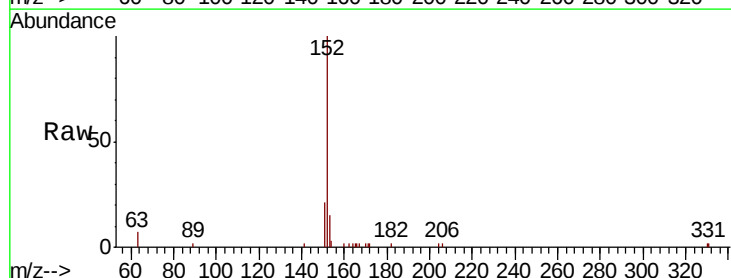
Tgt Ion:152 Resp: 4367

Ion Ratio Lower Upper

152 100

151 19.4 15.6 23.4

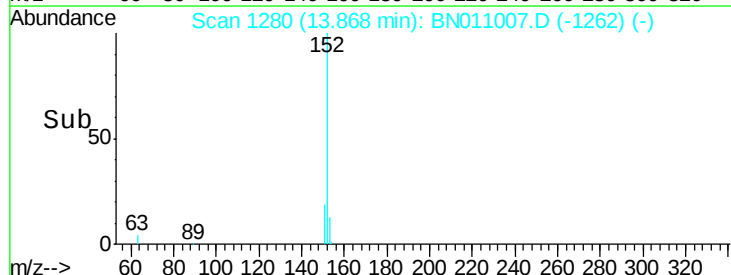
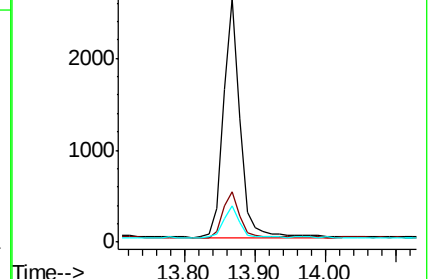
153 12.8 10.6 16.0



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

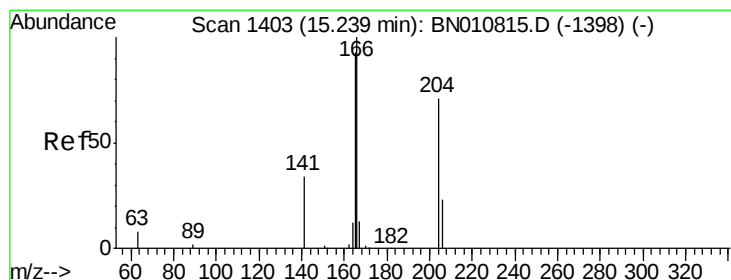
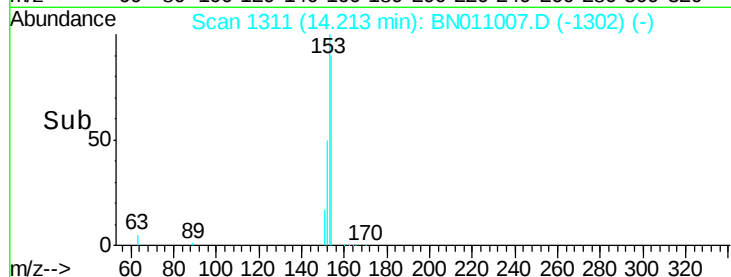
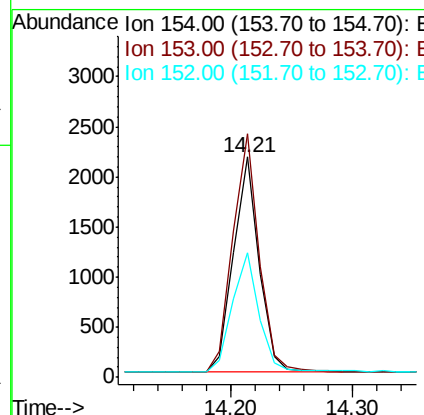
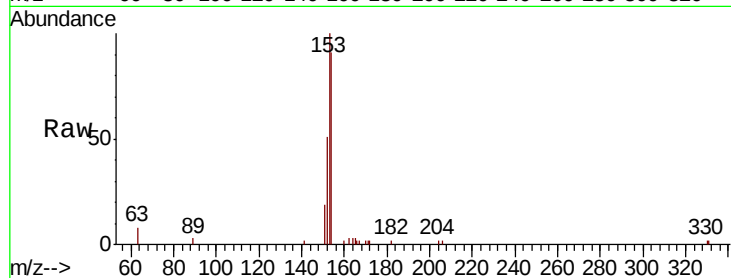




#17
Acenaphthene
Concen: 0.305 ng
RT: 14.21 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BN011007.D
Acq: 22 Jun 2020 13:52

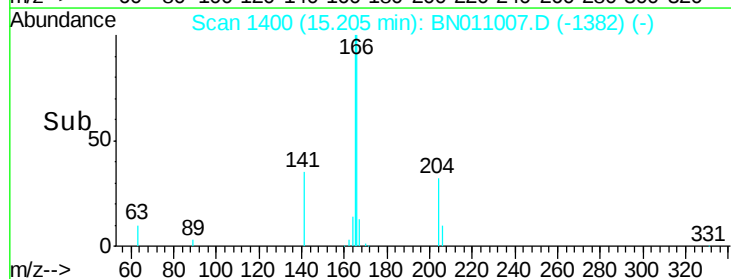
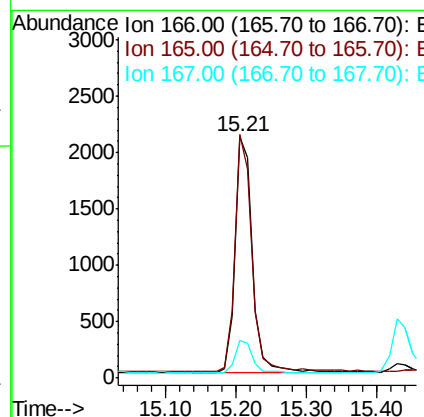
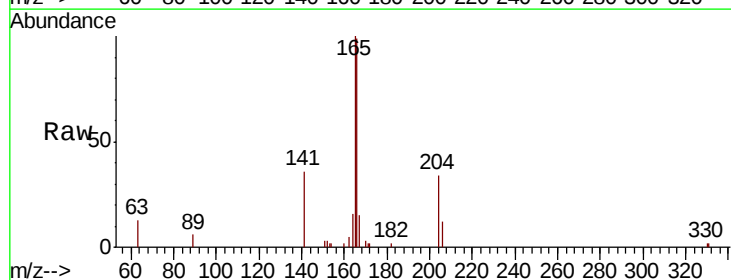
Instrument :
BNA_N
ClientSampleId :
RE139D2-20200616MS

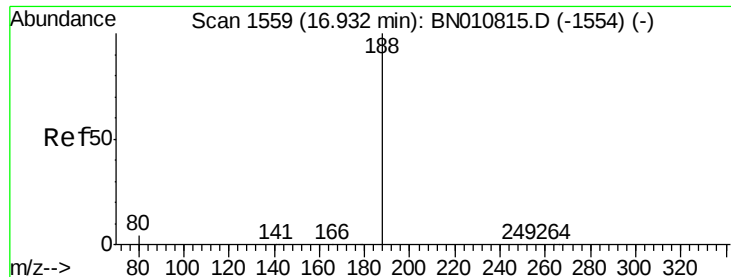
Tot Ion:154 Resp: 3136
Ion Ratio Lower Upper
154 100
153 114.4 91.8 137.6
152 57.5 47.6 71.4



#18
Fluorene
Concen: 0.276 ng
RT: 15.21 min Scan# 1400
Delta R.T. 0.00 min
Lab File: BN011007.D
Acq: 22 Jun 2020 13:52

Tgt Ion:166 Resp: 3661
Ion Ratio Lower Upper
166 100
165 98.4 77.2 115.8
167 13.6 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.90 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

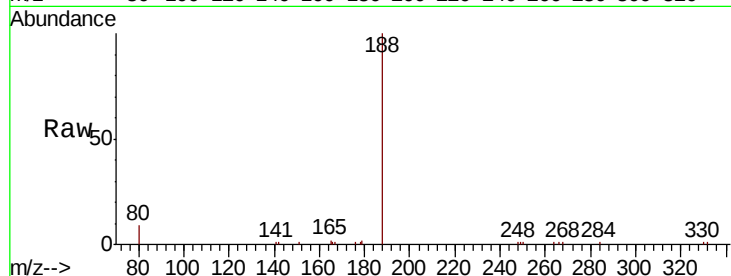
Tot Ion:188 Resp: 7009

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

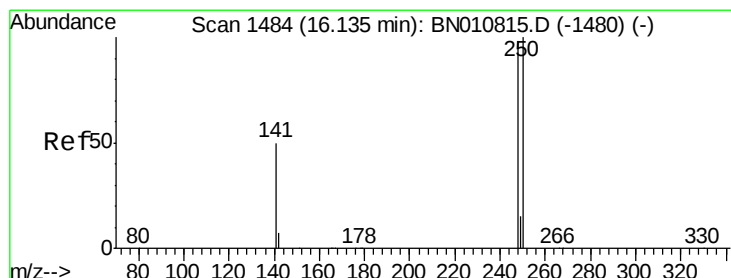
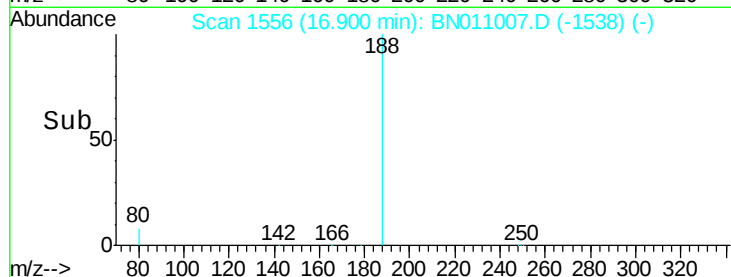
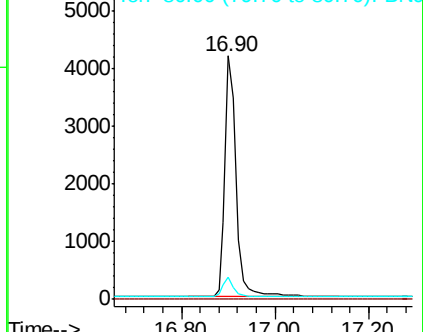
80 9.2 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.295 ng

RT: 16.10 min Scan# 1481

Delta R.T. -0.01 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

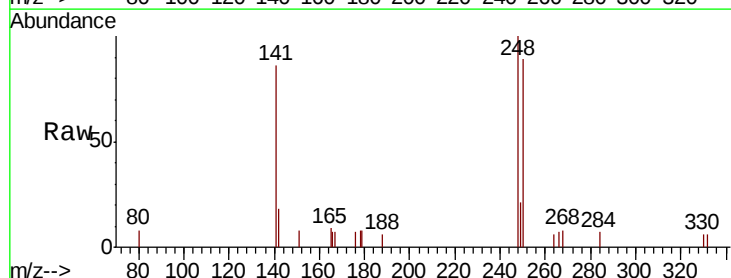
Tgt Ion:248 Resp: 1244

Ion Ratio Lower Upper

248 100

250 89.2 81.8 122.8

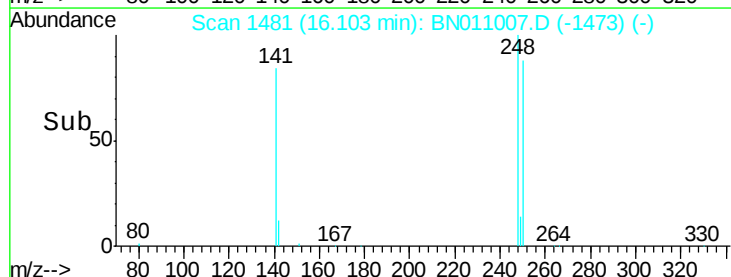
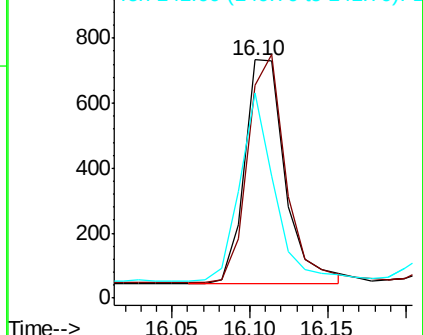
141 86.2 42.6 64.0#

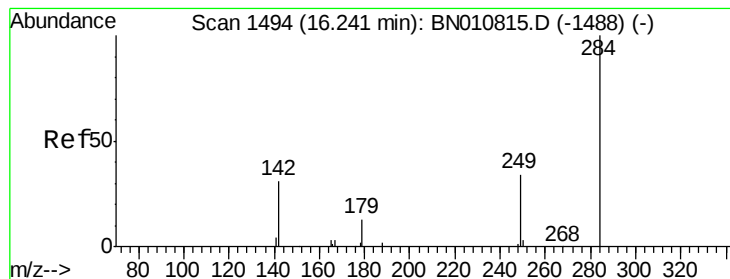


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.321 ng

RT: 16.22 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

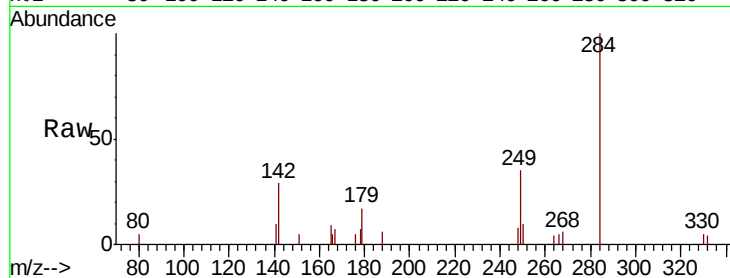
Tot Ion:284 Resp: 1410

Ion Ratio Lower Upper

284 100

142 38.3 31.0 46.4

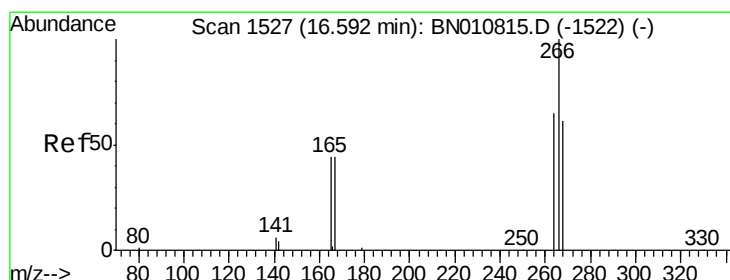
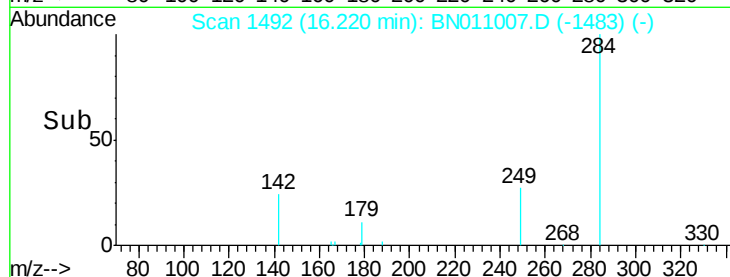
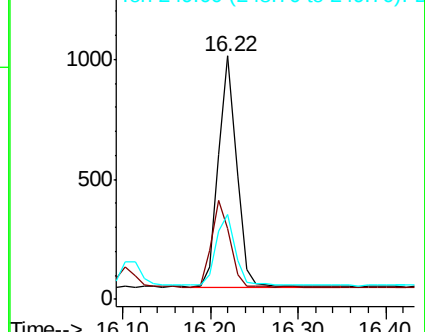
249 31.3 27.1 40.7



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



#22

Pentachlorophenol

Concen: 0.256 ng

RT: 16.57 min Scan# 1525

Delta R.T. 0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

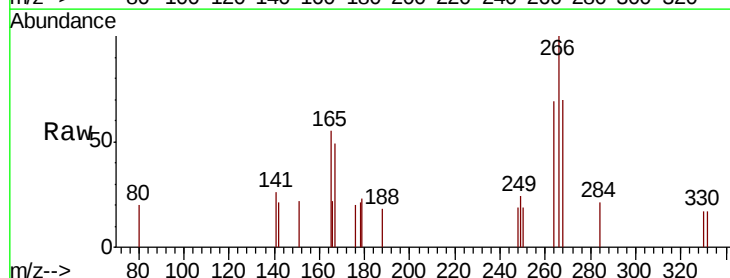
Tgt Ion:266 Resp: 378

Ion Ratio Lower Upper

266 100

264 68.7 54.8 82.2

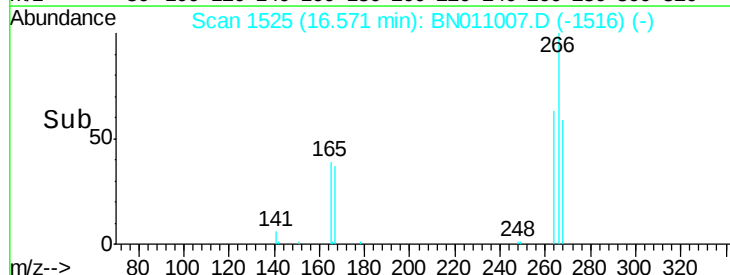
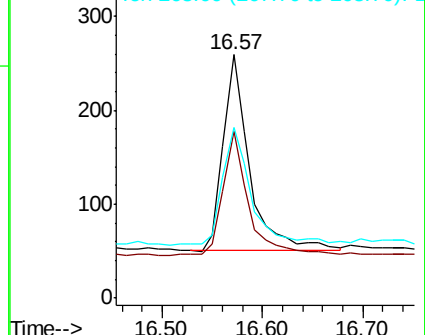
268 70.3 55.9 83.9



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





#23

Phenanthrene

Concen: 0.339 ng

RT: 16.94 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

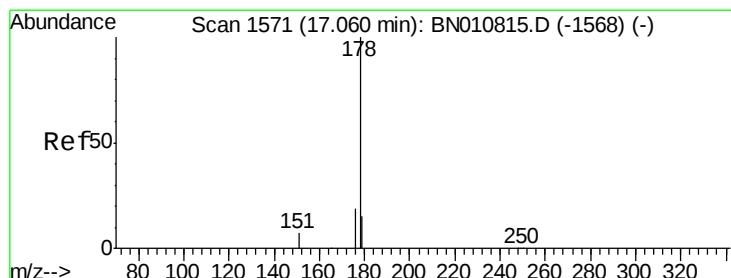
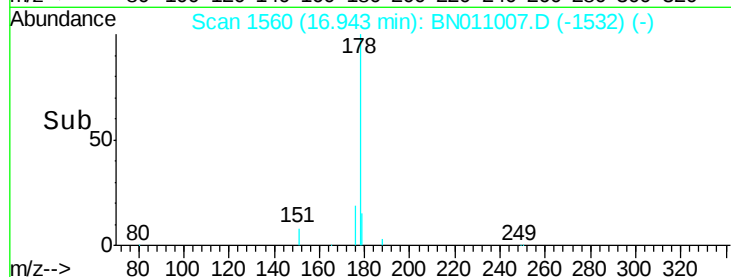
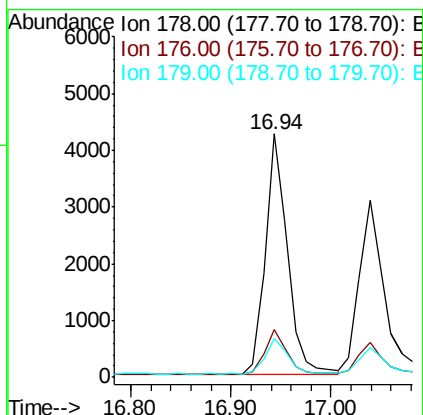
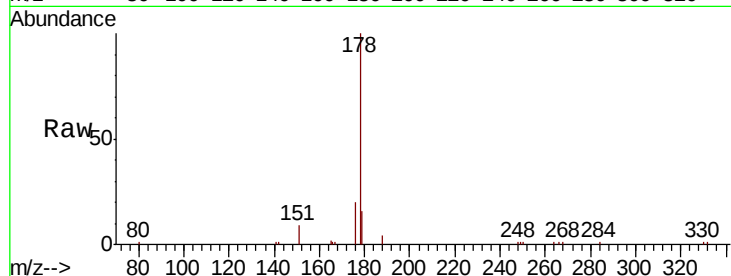
Tot Ion:178 Resp: 6481

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 15.4 12.6 19.0



#24

Anthracene

Concen: 0.334 ng

RT: 17.04 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

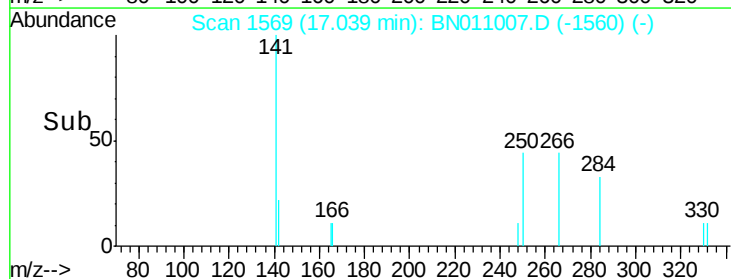
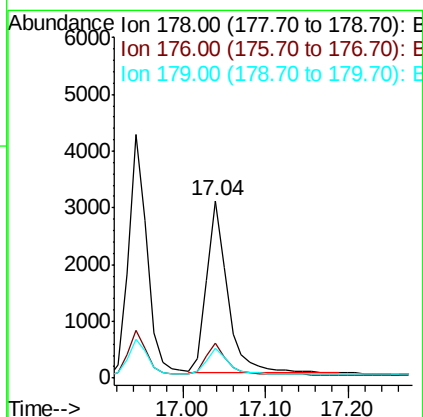
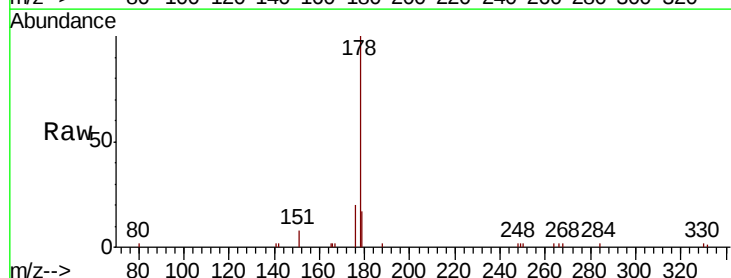
Tgt Ion:178 Resp: 5337

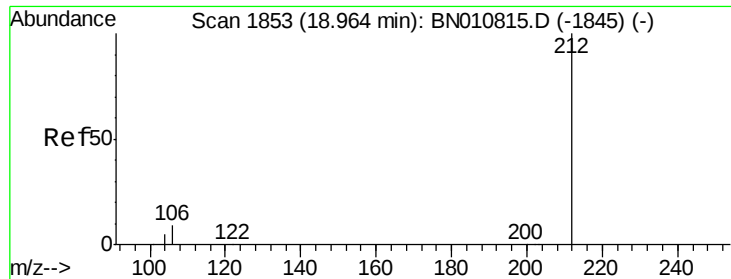
Ion Ratio Lower Upper

178 100

176 18.3 14.6 22.0

179 15.8 12.3 18.5





#25

Fluoranthene-d10

Concen: 0.365 ng

RT: 18.94 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

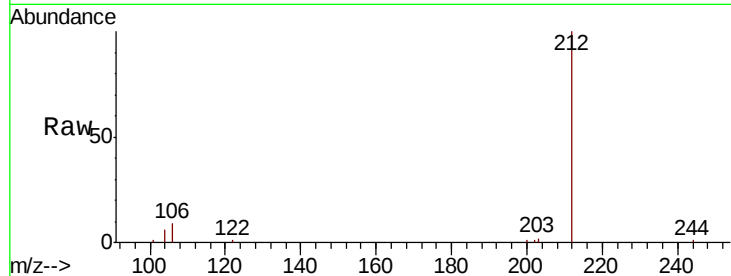
Tot Ion:212 Resp: 7068

Ion Ratio Lower Upper

212 100

106 8.7 6.6 10.0

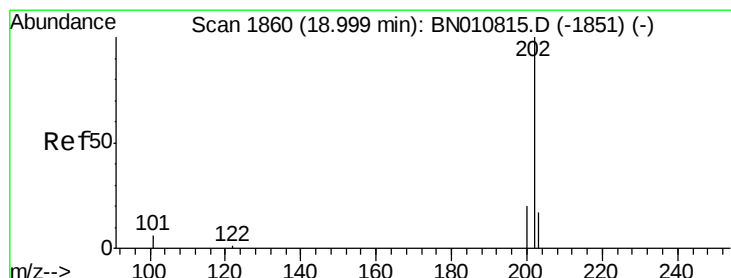
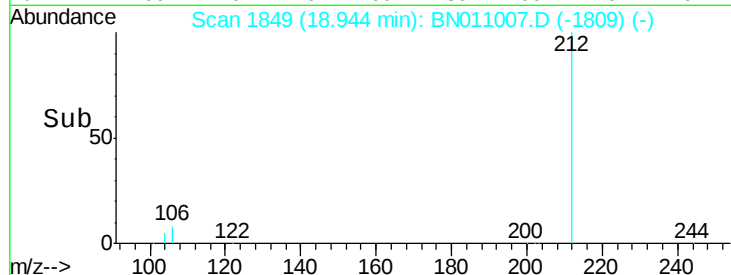
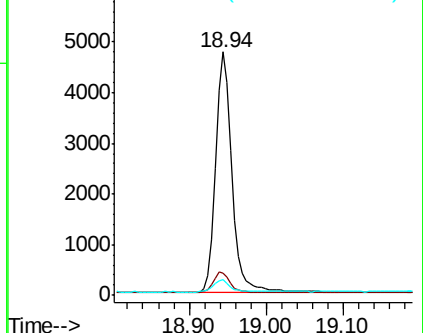
104 5.0 4.0 6.0



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



#26

Fluoranthene

Concen: 0.361 ng

RT: 18.97 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

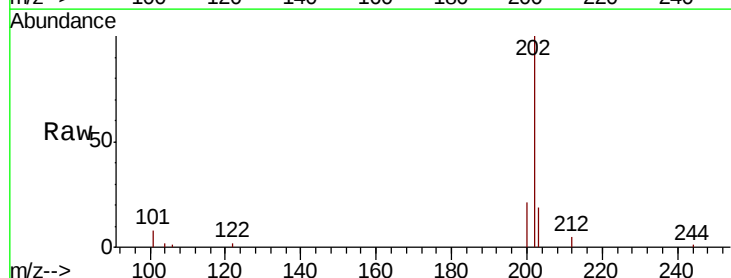
Tgt Ion:202 Resp: 7849

Ion Ratio Lower Upper

202 100

101 7.6 5.8 8.6

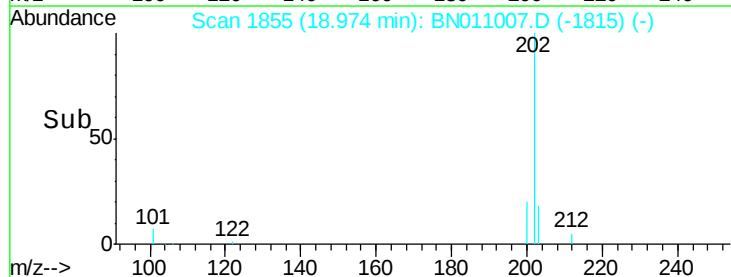
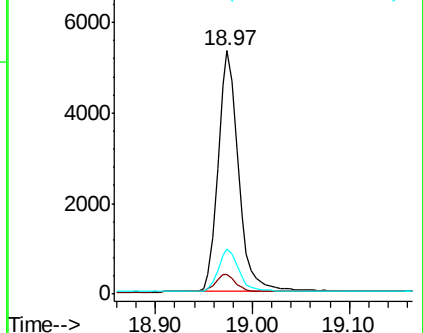
203 17.2 13.7 20.5



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

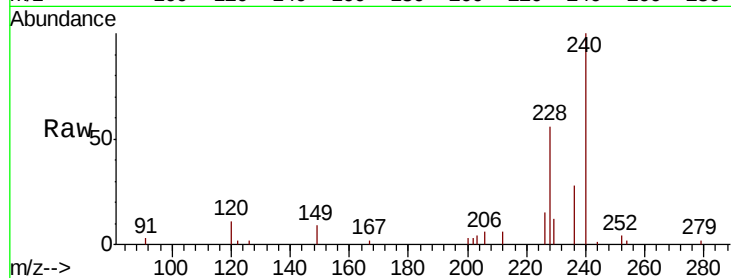




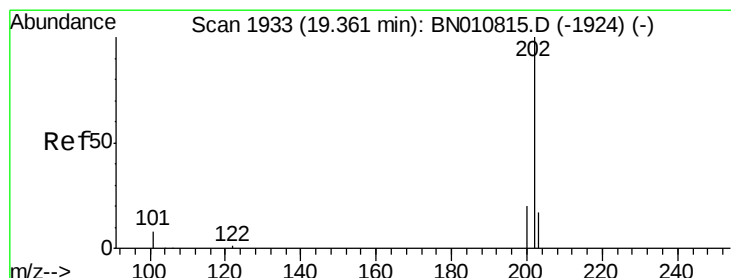
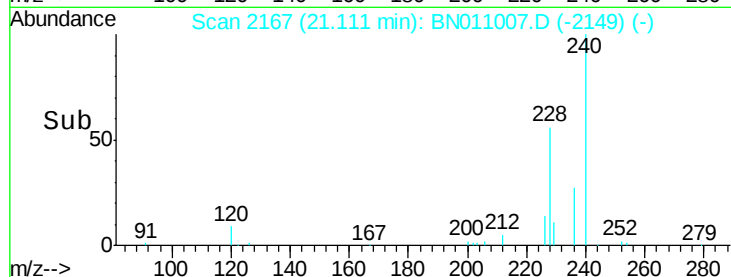
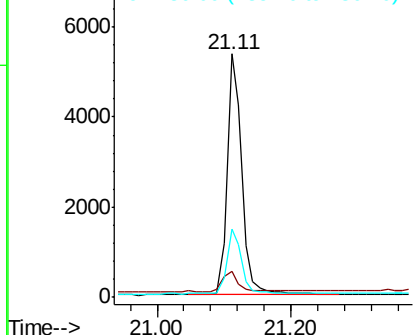
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.11 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BN011007.D
Acq: 22 Jun 2020 13:52

Instrument :
BNA_N
ClientSampleId :
RE139D2-20200616MS

Tot Ion:240 Resp: 8166
Ion Ratio Lower Upper
240 100
120 10.6 7.5 11.3
236 28.1 22.3 33.5

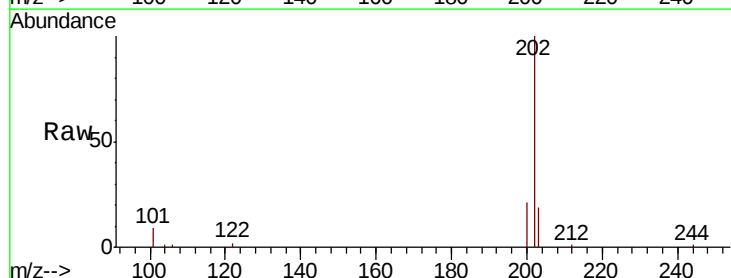


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

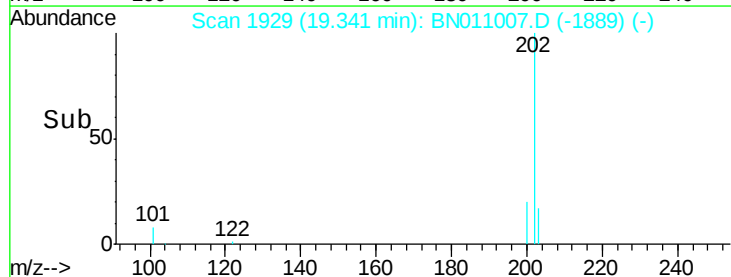
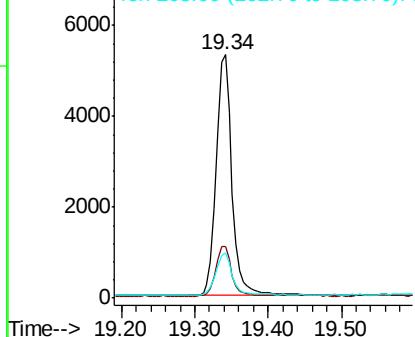


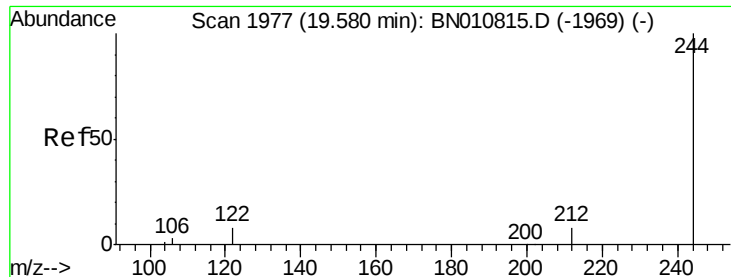
#28
Pyrene
Concen: 0.293 ng
RT: 19.34 min Scan# 1929
Delta R.T. 0.00 min
Lab File: BN011007.D
Acq: 22 Jun 2020 13:52

Tgt Ion:202 Resp: 7909
Ion Ratio Lower Upper
202 100
200 20.3 16.4 24.6
203 18.0 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





#29

Terphenyl-d14

Concen: 0.426 ng

RT: 19.56 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

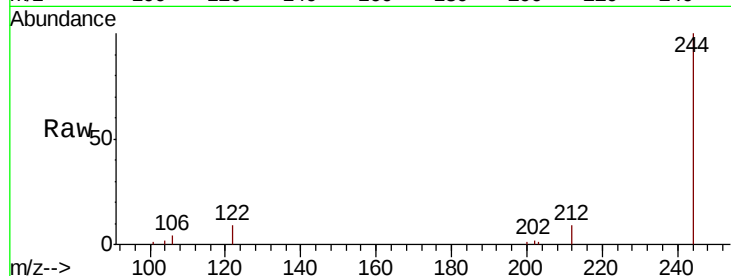
Tot Ion:244 Resp: 8150

Ion Ratio Lower Upper

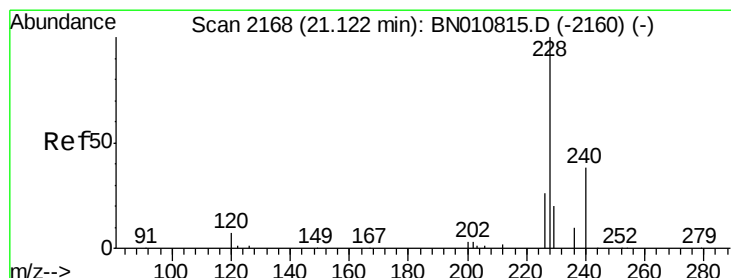
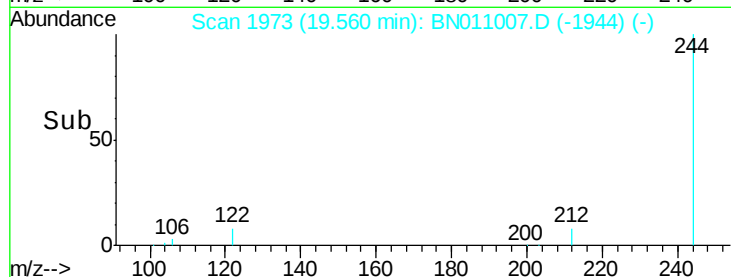
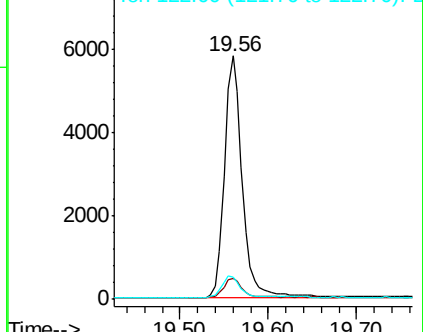
244 100

212 8.8 7.4 11.2

122 9.2 7.5 11.3



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



#30

Benzo(a)anthracene

Concen: 0.380 ng

RT: 21.10 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

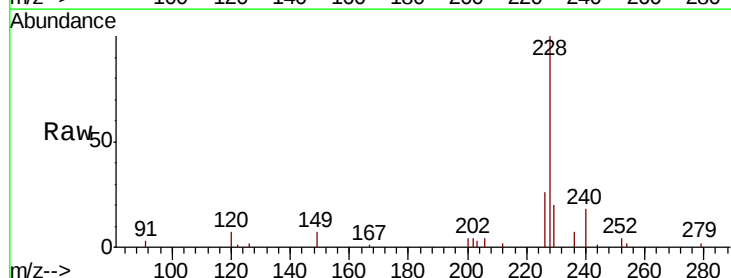
Tgt Ion:228 Resp: 9126

Ion Ratio Lower Upper

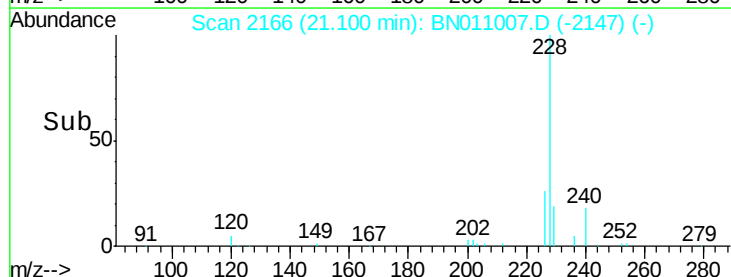
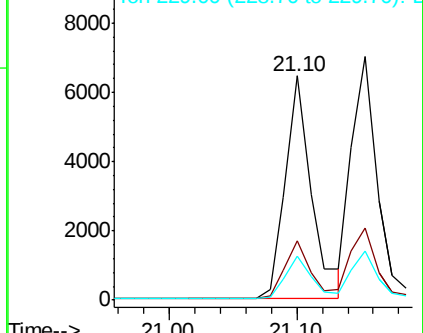
228 100

226 26.4 21.3 31.9

229 19.7 16.6 24.8



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





#31

Chrysene

Concen: 0.348 ng

RT: 21.15 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

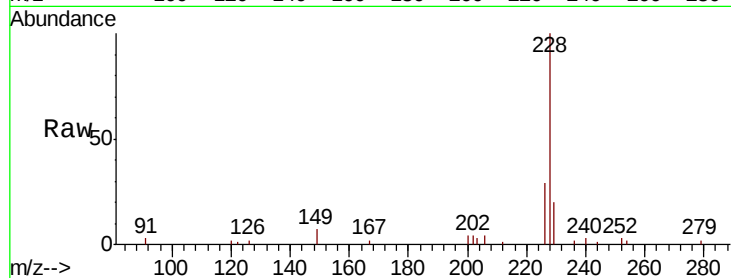
Tot Ion:228 Resp: 9733

Ion Ratio Lower Upper

228 100

226 29.5 25.0 37.6

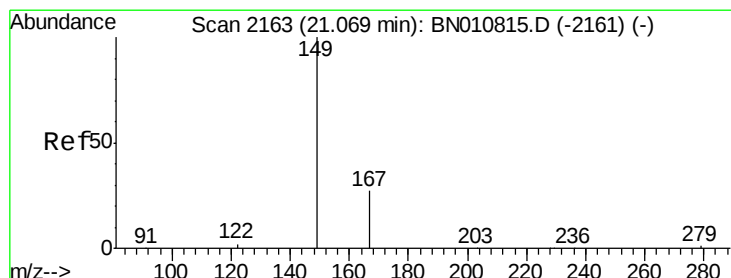
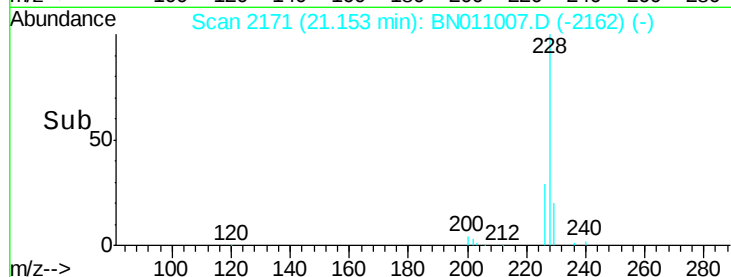
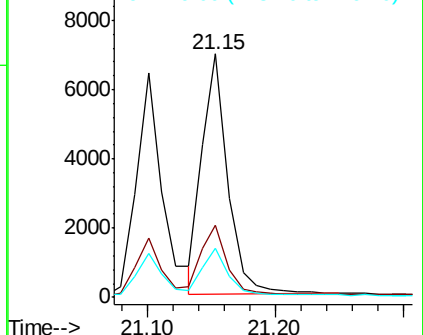
229 20.3 16.1 24.1



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.536 ng

RT: 21.06 min Scan# 2162

Delta R.T. 0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

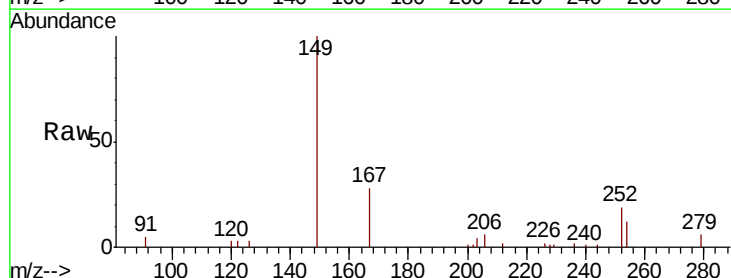
Tgt Ion:149 Resp: 4291

Ion Ratio Lower Upper

149 100

167 27.3 24.1 36.1

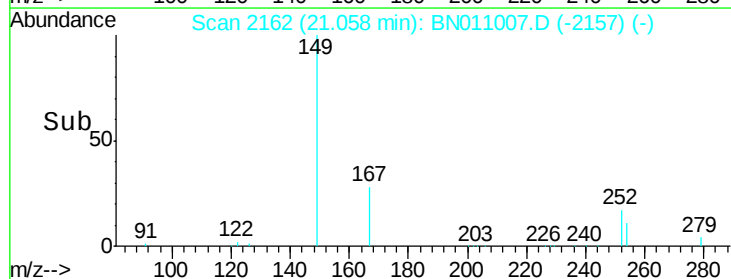
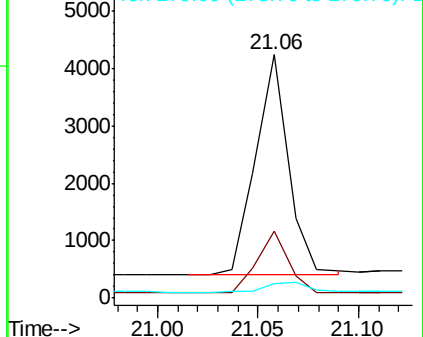
279 5.9 4.6 7.0

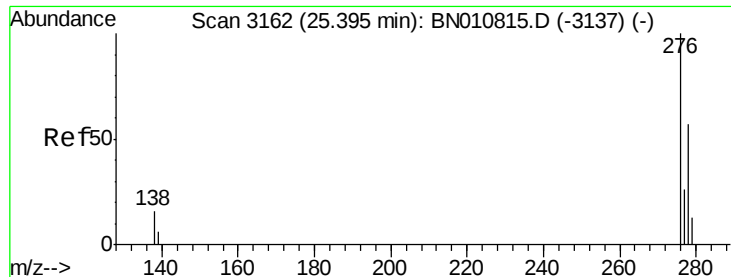


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.350 ng

RT: 25.36 min Scan# 3151

Delta R.T. -0.01 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

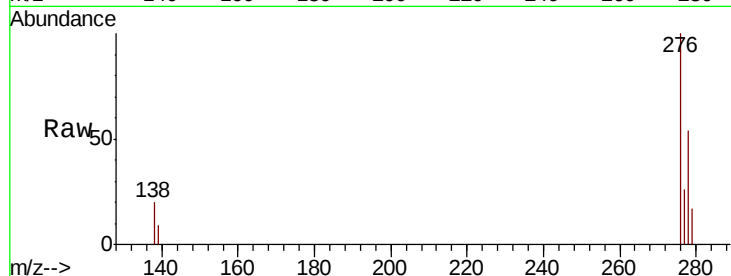
Tot Ion:276 Resp: 10926

Ion Ratio Lower Upper

276 100

138 19.8 13.0 19.6#

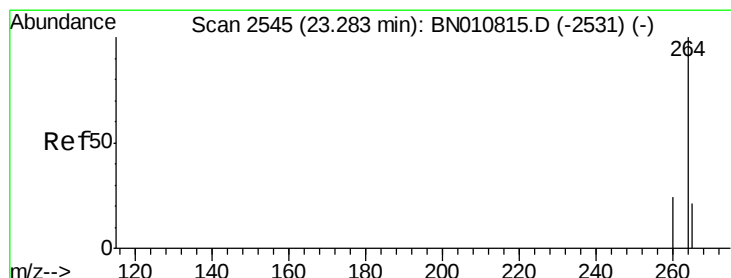
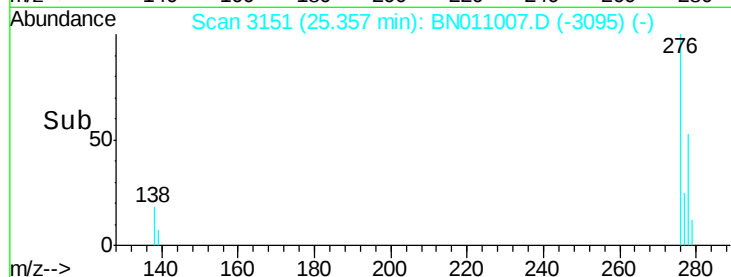
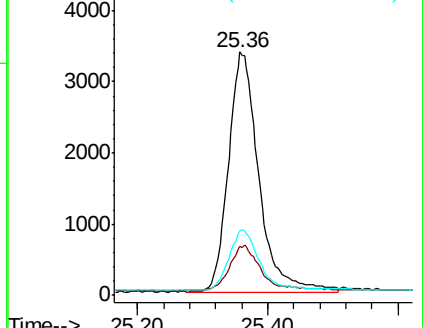
277 24.6 19.7 29.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.26 min Scan# 2538

Delta R.T. -0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

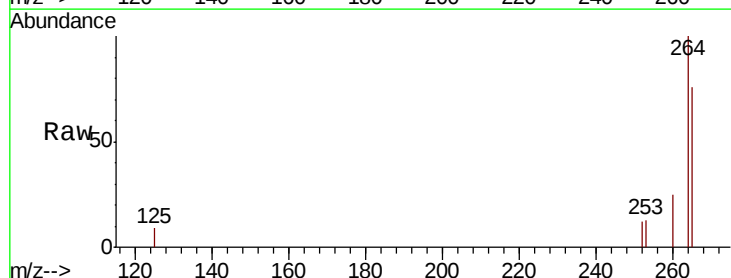
Tgt Ion:264 Resp: 7713

Ion Ratio Lower Upper

264 100

260 24.5 20.4 30.6

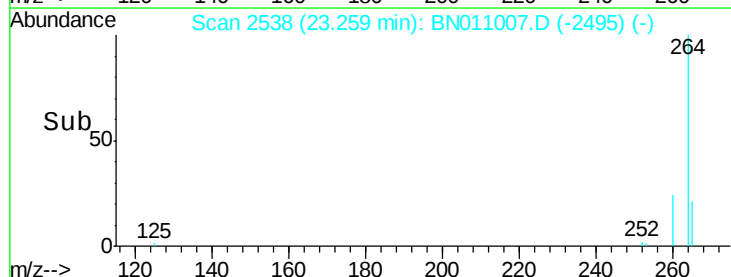
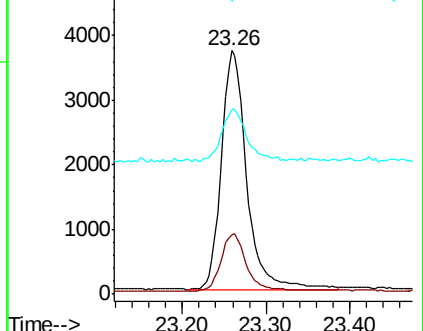
265 75.7 75.0 112.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.333 ng

RT: 22.63 min Scan# 2353

Delta R.T. -0.01 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

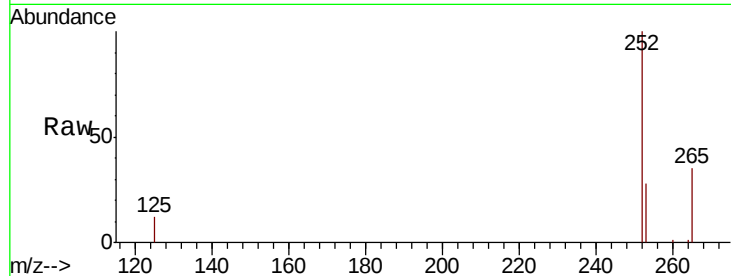
Tot Ion:252 Resp: 8729

Ion Ratio Lower Upper

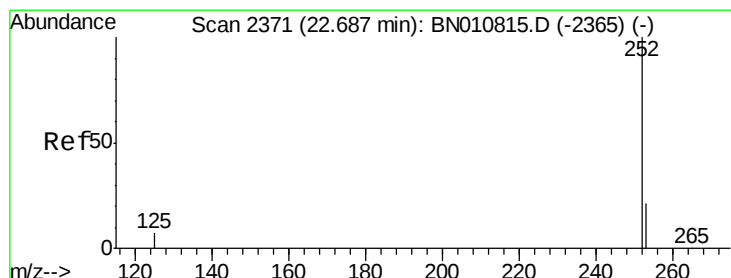
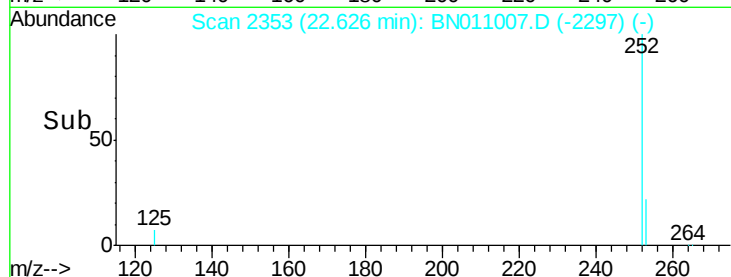
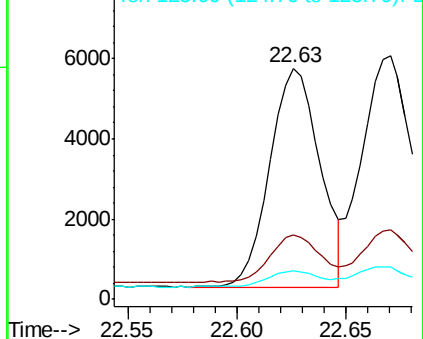
252 100

253 27.8 22.4 33.6

125 12.4 9.4 14.0



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



#36

Benzo(k)fluoranthene

Concen: 0.356 ng

RT: 22.67 min Scan# 2366

Delta R.T. -0.00 min

Lab File: BN011007.D

Acq: 22 Jun 2020 13:52

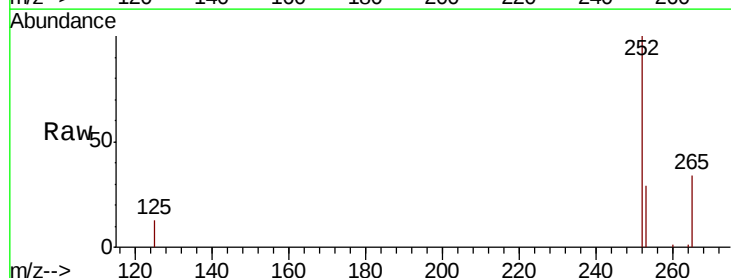
Tgt Ion:252 Resp: 9940

Ion Ratio Lower Upper

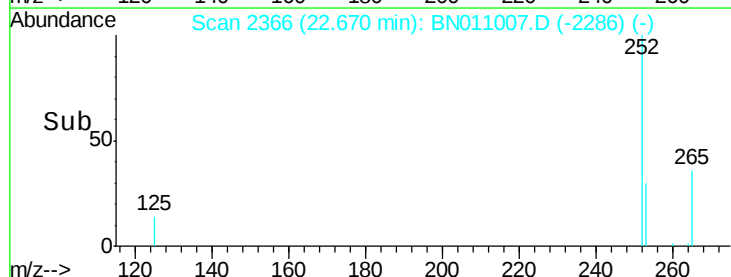
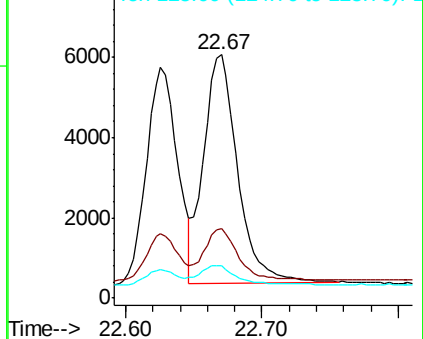
252 100

253 28.6 22.2 33.4

125 13.1 9.8 14.8



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

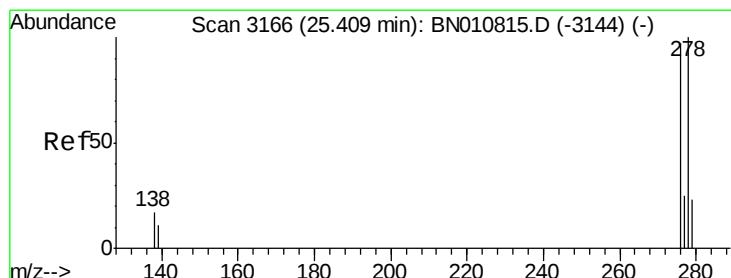
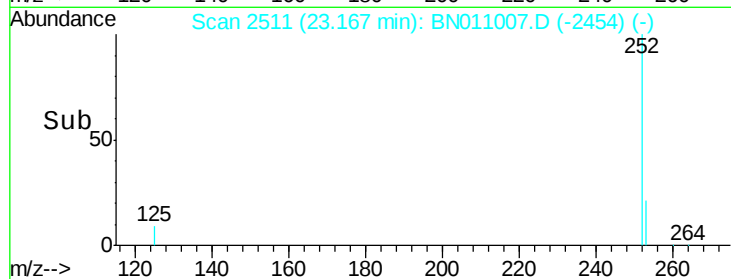
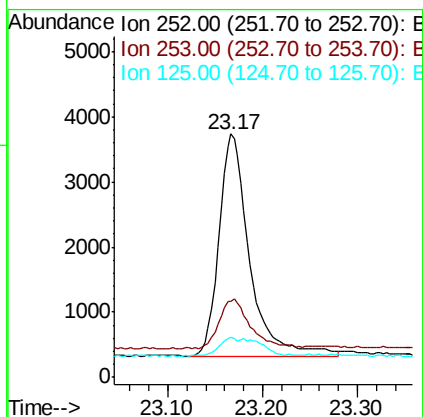
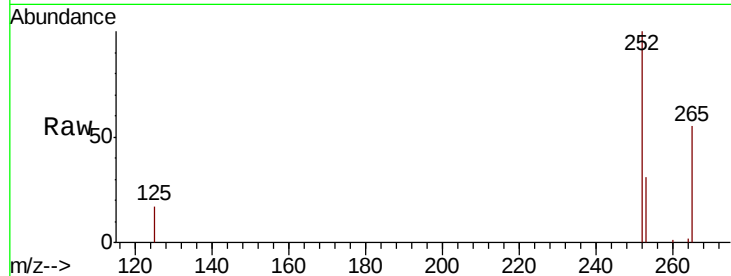




#37
Benzo(a)pyrene
Concen: 0.342 ng
RT: 23.17 min Scan# 2511
Delta R.T. -0.00 min
Lab File: BN011007.D
Acq: 22 Jun 2020 13:52

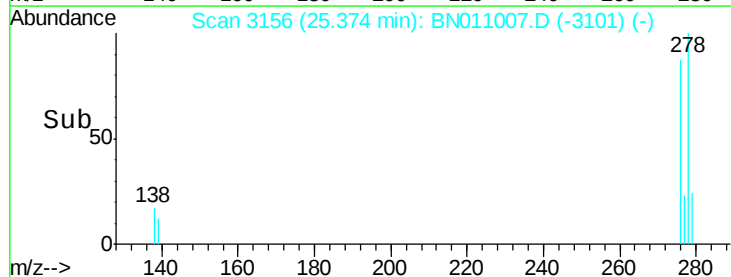
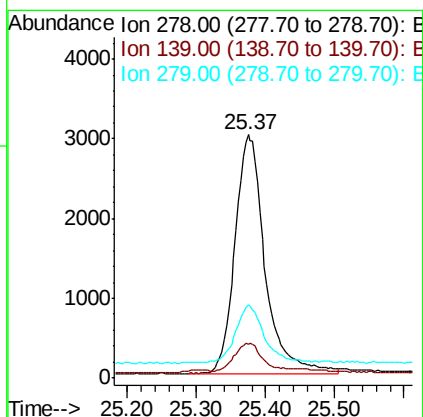
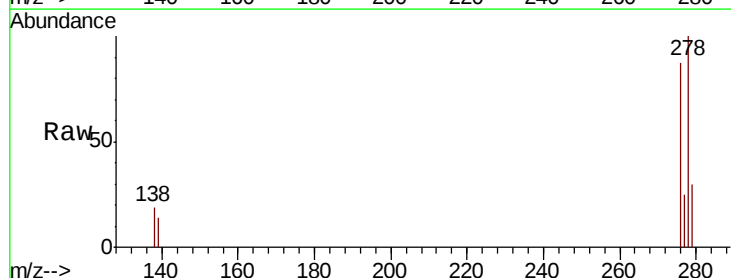
Instrument :
BNA_N
ClientSampleId :
RE139D2-20200616MS

Tot Ion:252 Resp: 7685
Ion Ratio Lower Upper
252 100
253 31.4 25.8 38.8
125 16.5 12.4 18.6



#38
Dibenzo(a,h)anthracene
Concen: 0.351 ng
RT: 25.37 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BN011007.D
Acq: 22 Jun 2020 13:52

Tgt Ion:278 Resp: 9013
Ion Ratio Lower Upper
278 100
139 13.9 10.6 15.8
279 29.9 23.6 35.4





#39

Benzo(a,h,i)perylene

Concen: 0.365 ng

RT: 25.99 min Scan# 3336

Delta R.T. -0.01 min

Lab File: BN011007.D

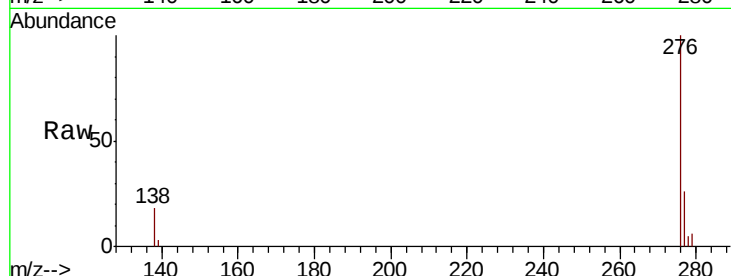
Acq: 22 Jun 2020 13:52

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS



Tot Ion: 276 Resp: 9788

Ion Ratio Lower Upper

276 100

277 25.9 20.5 30.7

138 18.0 13.7 20.5

