

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061920\
 Data File : BN010978.D
 Acq On : 19 Jun 2020 19:59
 Operator : CG/JU
 Sample : L3043-11MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE139D2-20200616MS

Quant Time: Jun 20 06:16:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 19 12:43:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	2432	0.40	ng	0.00
7) Naphthalene-d8	10.28	136	8092	0.40	ng	0.00
13) Acenaphthene-d10	14.16	164	4398	0.40	ng	0.00
19) Phenanthrene-d10	16.91	188	8952	0.40	ng	0.01
27) Chrysene-d12	21.11	240	7566	0.40	ng	-0.01
34) Perylene-d12	23.26	264	7337	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	793	0.17	ng	0.00
5) Phenol-d6	6.73	99	596	0.11	ng	0.00
8) Nitrobenzene-d5	8.67	82	2769	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	11.88	152	4153	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.66	330	576	0.37	ng	0.01
15) 2-Fluorobiphenyl	12.78	172	7122	0.41	ng	0.00
25) Fluoranthene-d10	18.94	212	10033	0.41	ng	0.00
29) Terphenyl-d14	19.56	244	9875	0.56	ng	0.00

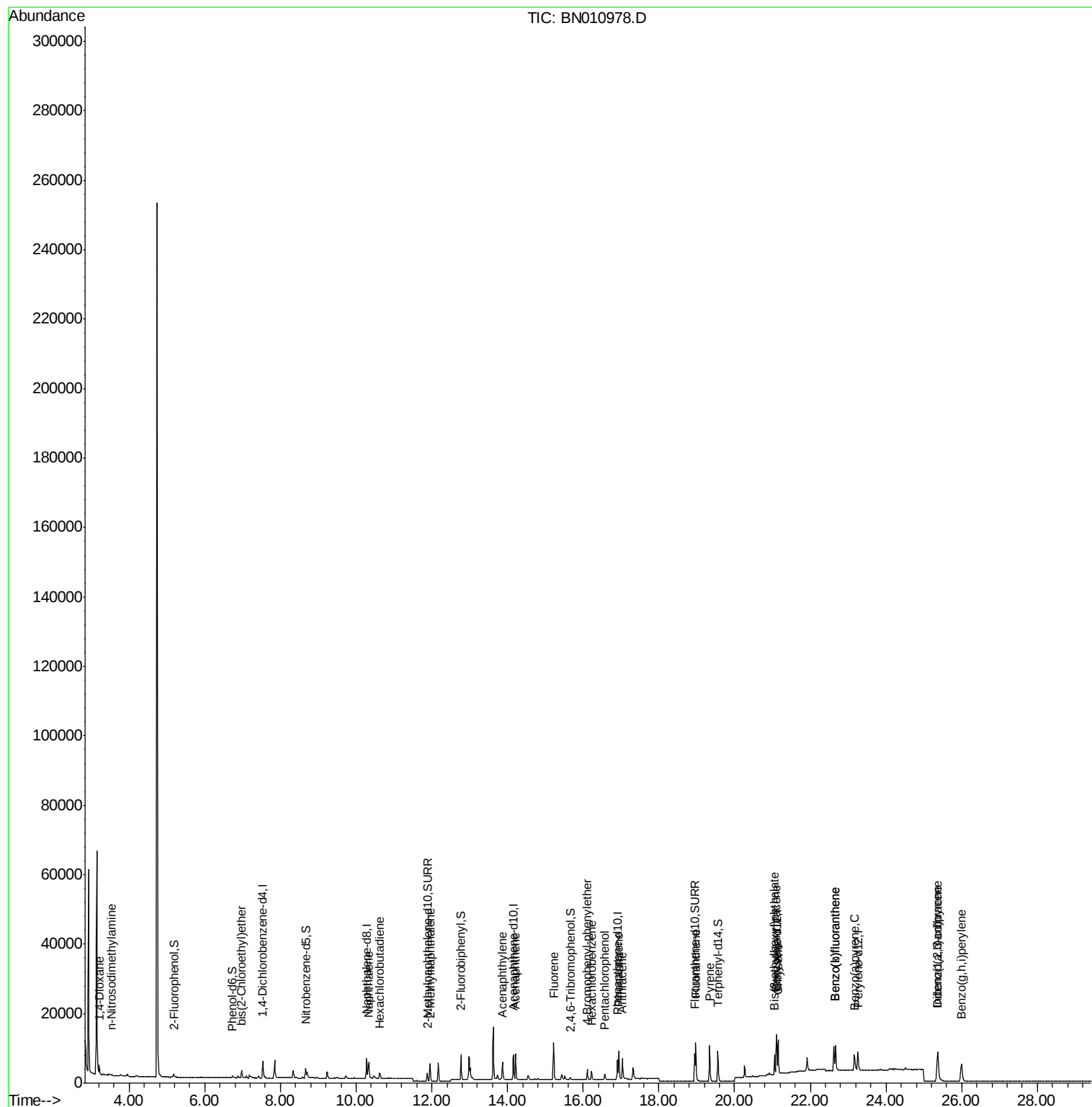
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.21	88	1929	0.810	ng	# 90
3) n-Nitrosodimethylamine	3.53	42	243	0.175	ng	# 74
6) bis(2-Chloroethyl)ether	6.98	93	1991	0.369	ng	95
9) Naphthalene	10.33	128	6161	0.303	ng	100
10) Hexachlorobutadiene	10.62	225	1291	0.257	ng	# 98
12) 2-Methylnaphthalene	11.95	142	4106	0.302	ng	99
16) Acenaphthylene	13.87	152	5586	0.310	ng	99
17) Acenaphthene	14.21	154	3655	0.298	ng	99
18) Fluorene	15.22	166	4961	0.313	ng	98
20) 4-Bromophenyl-phenylether	16.11	248	1704	0.317	ng	96
21) Hexachlorobenzene	16.22	284	1777	0.317	ng	99
22) Pentachlorophenol	16.57	266	833	0.442	ng	97
23) Phenanthrene	16.94	178	8672	0.355	ng	99
24) Anthracene	17.04	178	7160	0.351	ng	100
26) Fluoranthene	18.97	202	11079	0.399	ng	99
28) Pyrene	19.34	202	10253	0.410	ng	100
30) Benzo(a)anthracene	21.10	228	8075	0.363	ng	99
31) Chrysene	21.15	228	9248	0.357	ng	97
32) Bis(2-ethylhexyl)phthalate	21.06	149	4315	0.582	ng	97
33) Indeno(1,2,3-cd)pyrene	25.36	276	10728	0.370	ng	# 97
35) Benzo(b)fluoranthene	22.67	252	9282	0.372	ng	97
36) Benzo(k)fluoranthene	22.67	252	9282	0.349	ng	97
37) Benzo(a)pyrene	23.17	252	7227	0.338	ng	98
38) Dibenzo(a,h)anthracene	25.37	278	8867	0.363	ng	98
39) Benzo(g,h,i)perylene	25.99	276	10925	0.428	ng	98

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

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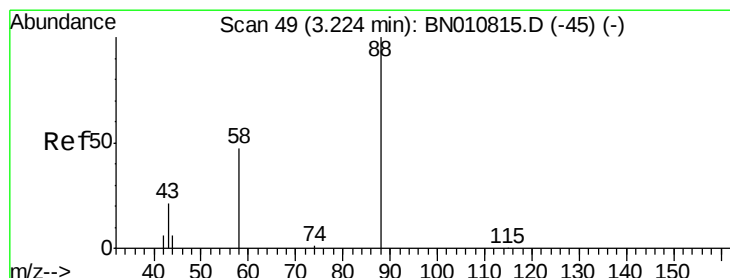
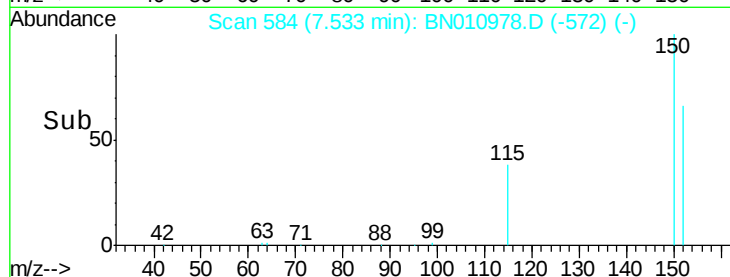
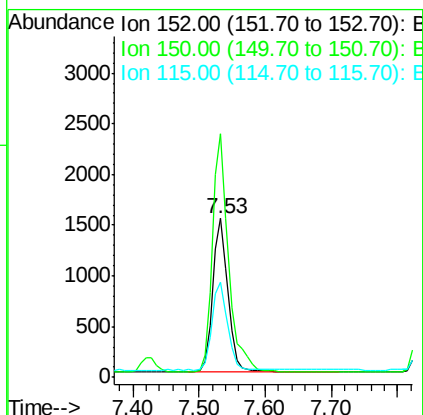
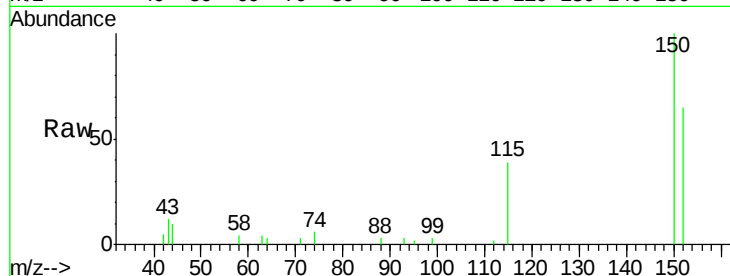


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.53 min Scan# 584
Delta R.T. -0.00 min
Lab File: BN010978.D
Acq: 19 Jun 2020 19:59

Instrument :
BNA_N
ClientSampleId :
RE139D2-20200616MS

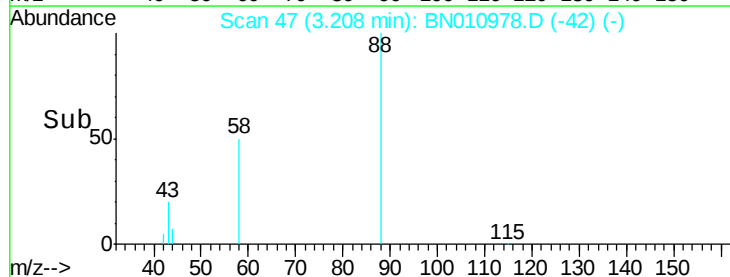
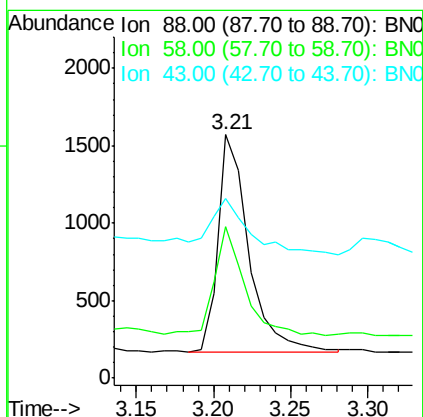
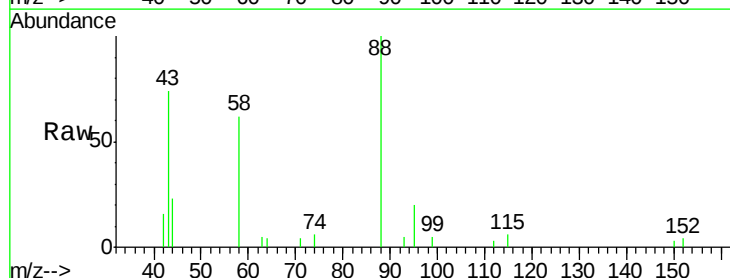
Tot Ion:152 Resp: 2432
Ion Ratio Lower Upper
152 100
150 153.2 123.8 185.6
115 59.9 49.2 73.8



#2

1,4-Dioxane
Concen: 0.810 ng
RT: 3.21 min Scan# 47
Delta R.T. -0.01 min
Lab File: BN010978.D
Acq: 19 Jun 2020 19:59

Tgt Ion: 88 Resp: 1929
Ion Ratio Lower Upper
88 100
58 49.1 38.2 57.4
43 32.5 15.1 22.7#





#3

n-Nitrosodimethylamine

Concen: 0.175 ng

RT: 3.53 min Scan# 87

Delta R.T. 0.01 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

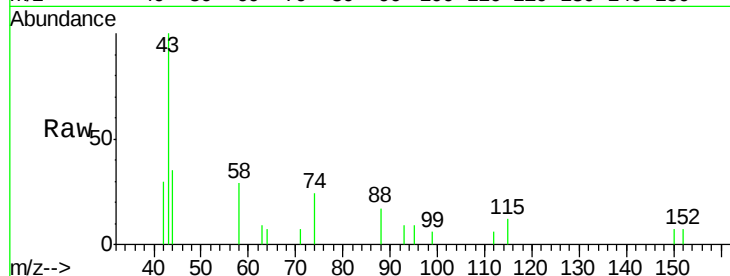
Tot Ion: 42 Resp: 243

Ion Ratio Lower Upper

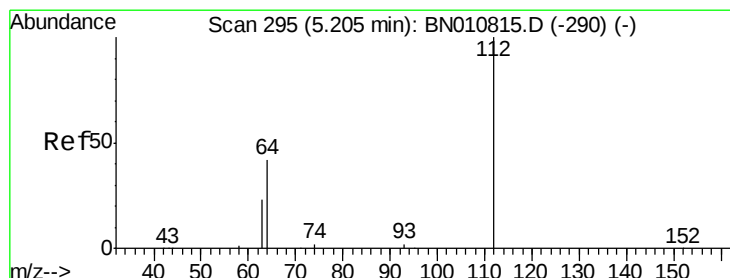
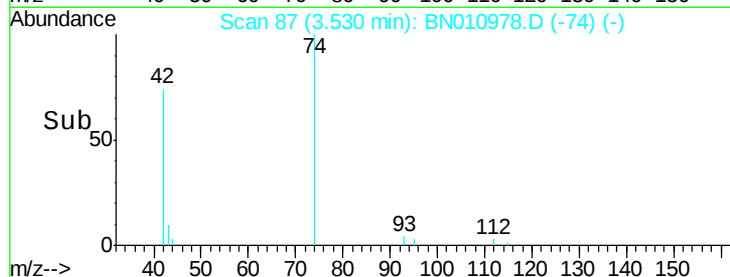
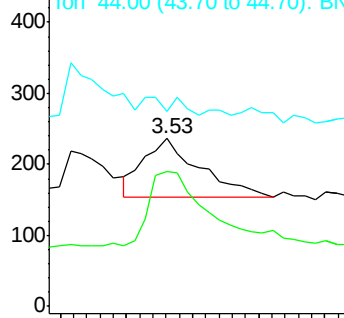
42 100

74 139.9 140.7 211.1#

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: 0.169 ng

RT: 5.18 min Scan# 292

Delta R.T. -0.00 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

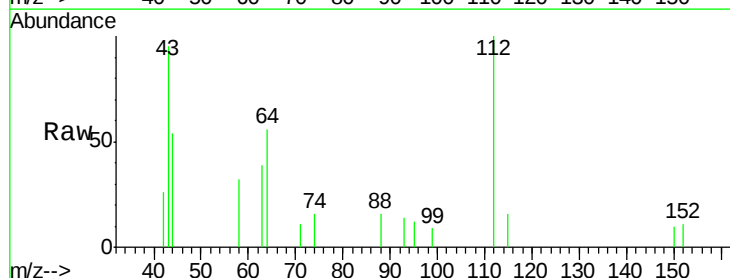
Tgt Ion: 112 Resp: 793

Ion Ratio Lower Upper

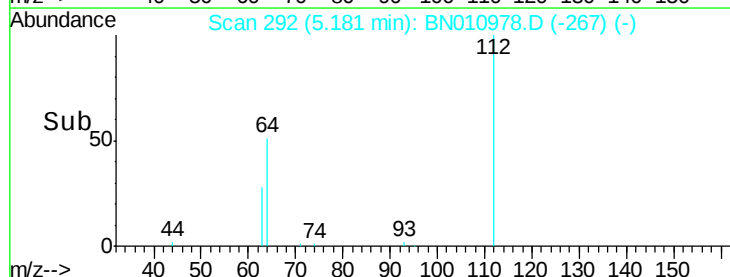
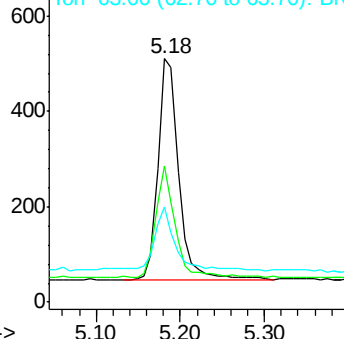
112 100

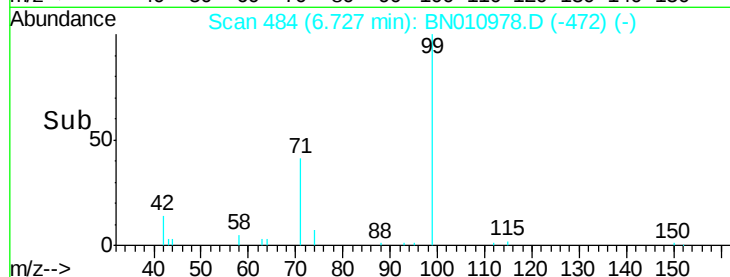
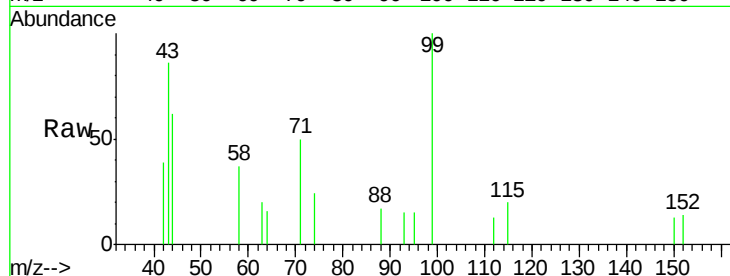
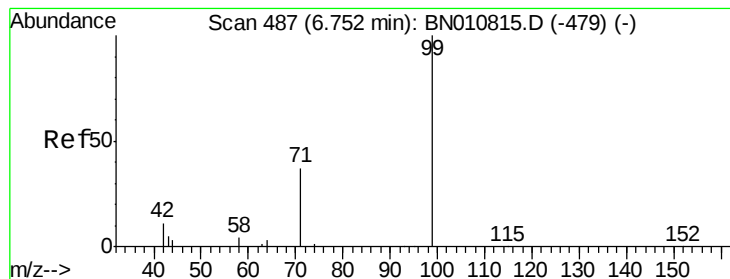
64 48.2 37.4 56.0

63 29.9 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: 0.108 ng

RT: 6.73 min Scan# 484

Delta R.T. -0.00 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

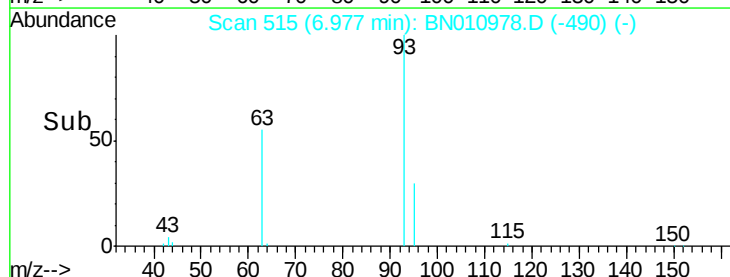
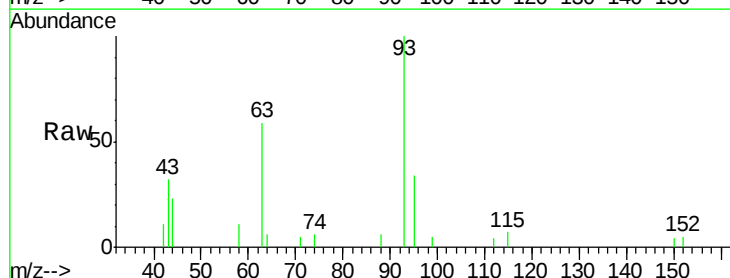
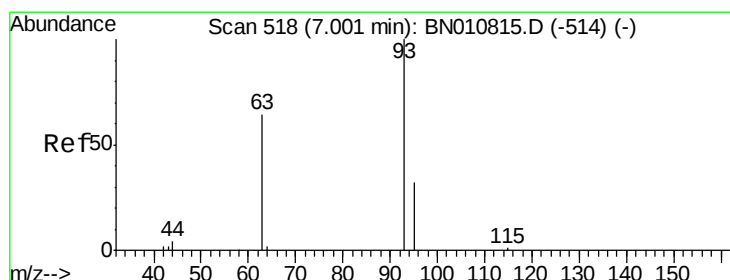
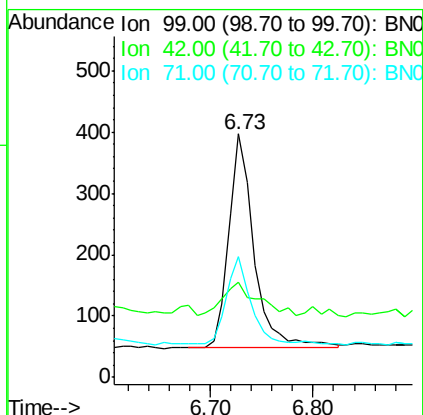
Tot Ion: 99 Resp: 596

Ion Ratio Lower Upper

99 100

42 22.0 11.1 16.7#

71 38.3 31.4 47.2



#6

bis(2-Chloroethyl)ether

Concen: 0.369 ng

RT: 6.98 min Scan# 515

Delta R.T. -0.00 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

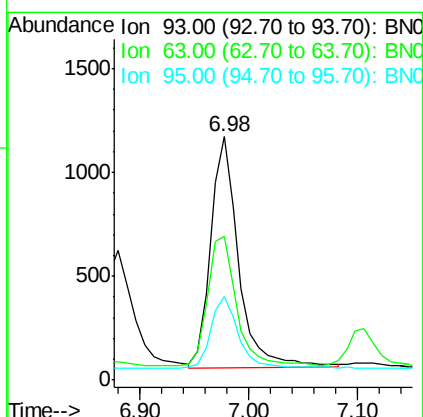
Tgt Ion: 93 Resp: 1991

Ion Ratio Lower Upper

93 100

63 57.7 49.4 74.2

95 31.1 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: BN010978.D

Acq: 19 Jun 2020 19:59

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

Tot Ion:136 Resp: 8092

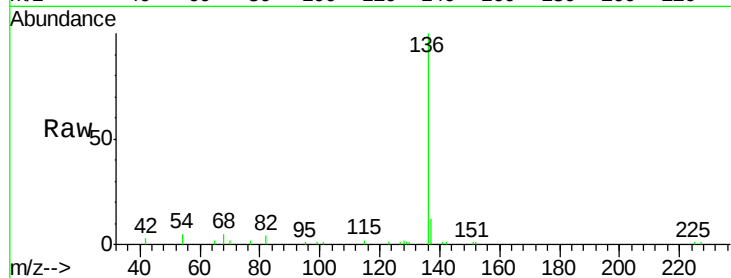
Ion Ratio Lower Upper

136 100

137 11.5 9.7 14.5

54 4.8 4.9 7.3#

68 5.4 4.7 7.1

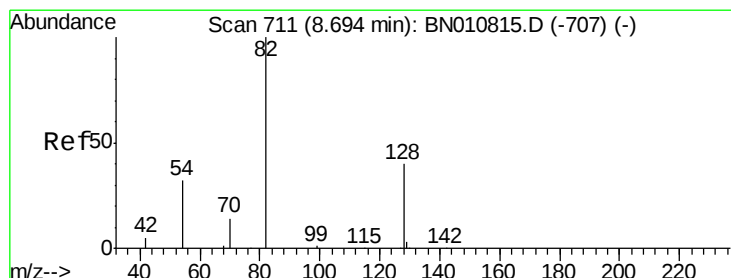
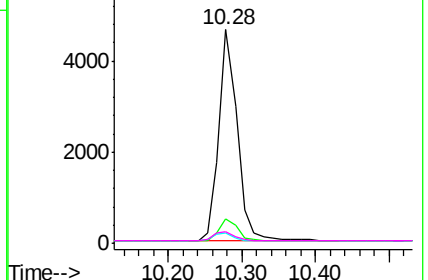
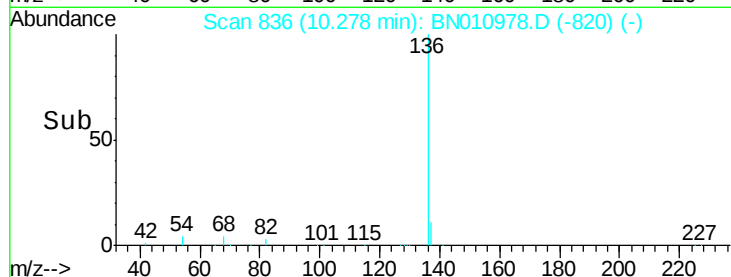


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.462 ng

RT: 8.67 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

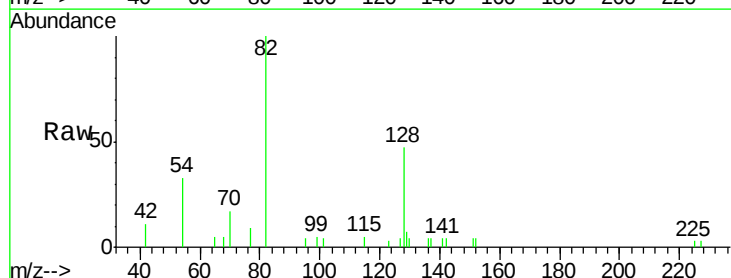
Tgt Ion: 82 Resp: 2769

Ion Ratio Lower Upper

82 100

128 46.9 35.4 53.0

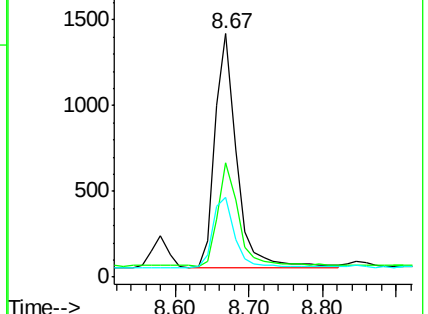
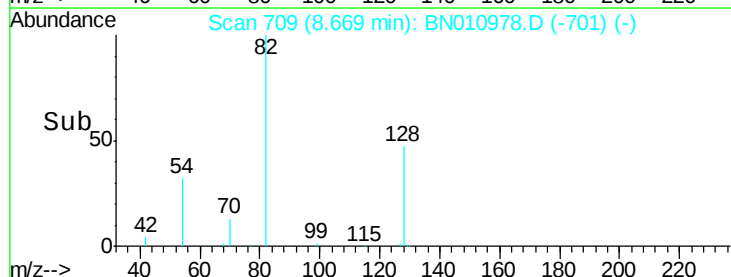
54 32.6 28.2 42.4



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: 0.303 ng

RT: 10.33 min Scan# 840

Delta R.T. -0.00 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

Instrument :

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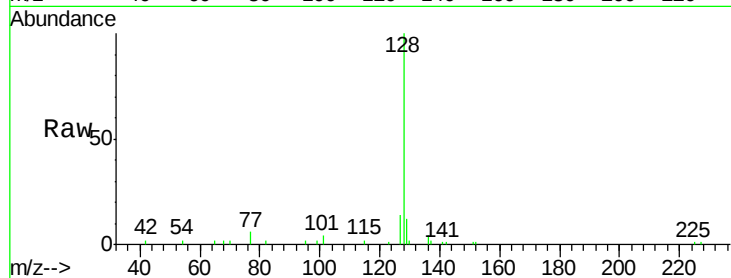
Tot Ion:128 Resp: 6161

Ion Ratio Lower Upper

128 100

129 12.3 9.6 14.4

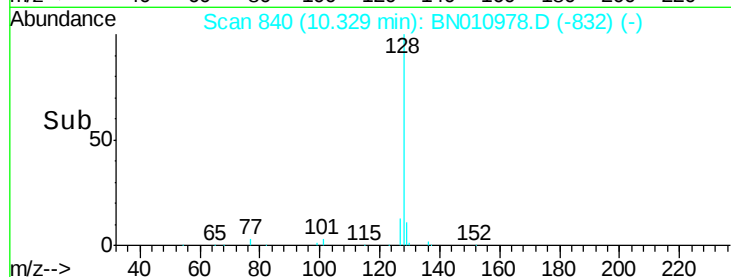
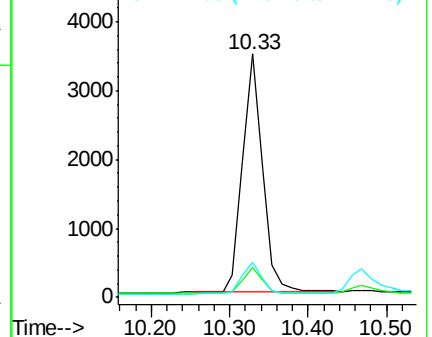
127 14.3 11.4 17.2



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: 0.257 ng

RT: 10.62 min Scan# 863

Delta R.T. -0.00 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

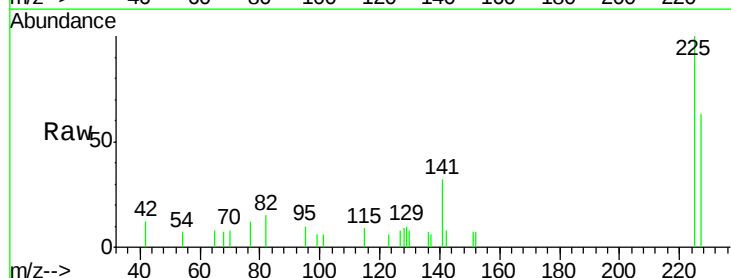
Tgt Ion:225 Resp: 1291

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

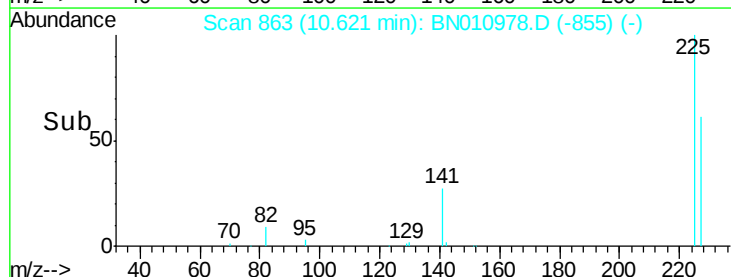
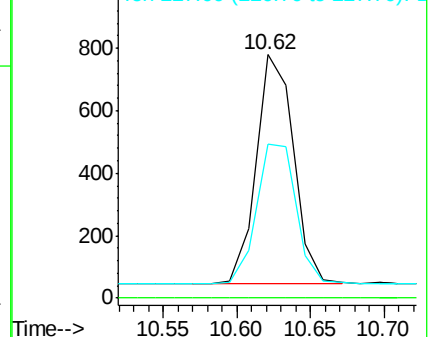
227 64.6 50.5 75.7

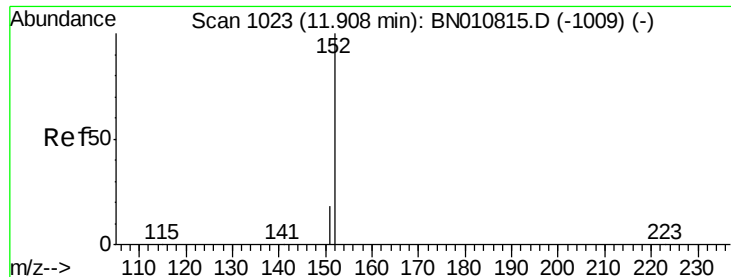


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

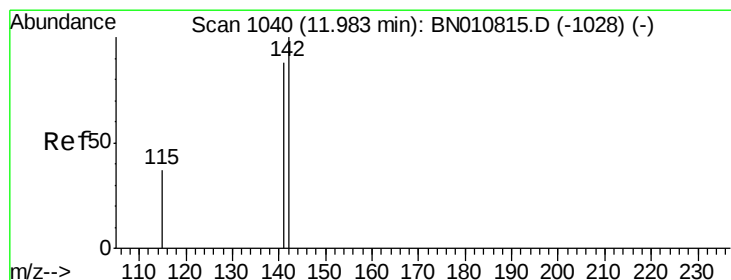
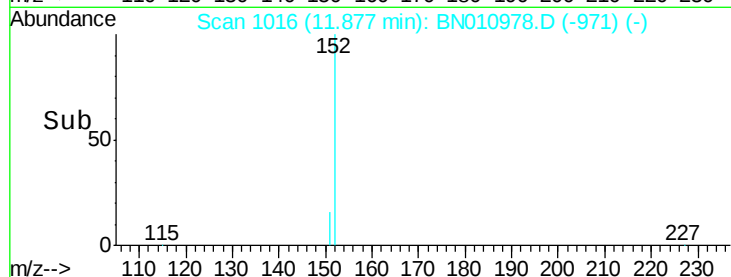
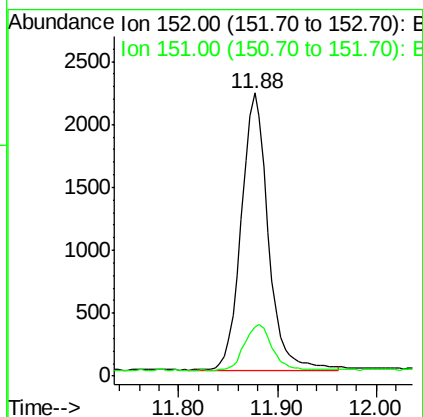
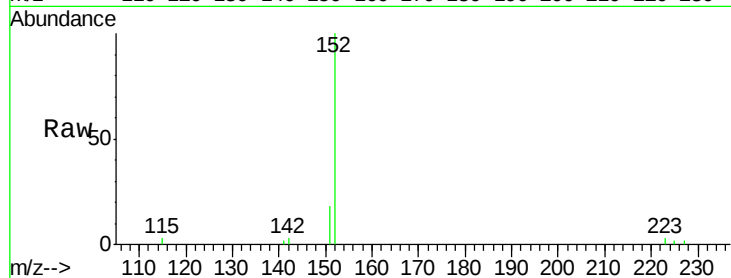




#11
 2-Methylnaphthalene-d10
 Concen: 0.331 ng
 RT: 11.88 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: BN010978.D
 Acq: 19 Jun 2020 19:59

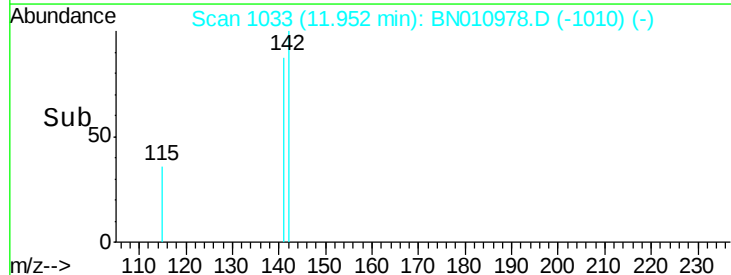
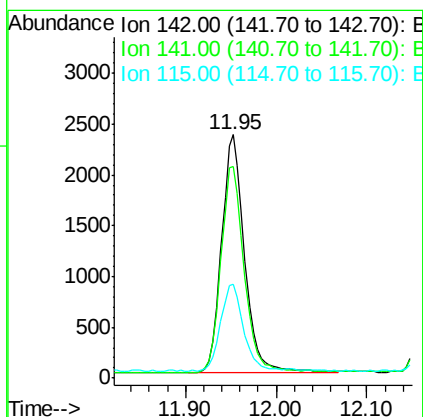
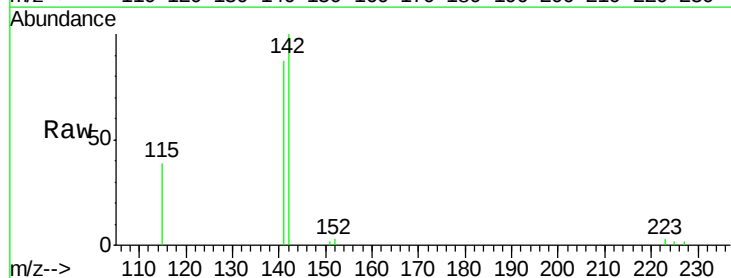
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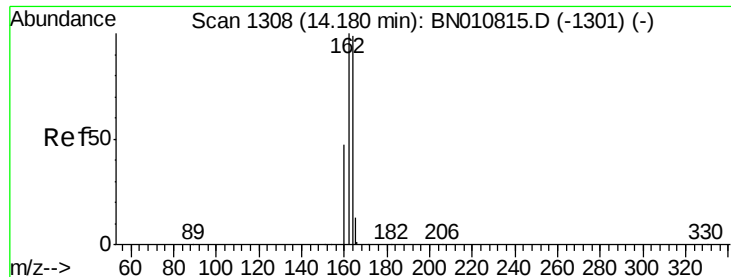
Tot Ion:152 Resp: 4153
 Ion Ratio Lower Upper
 152 100
 151 17.2 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.302 ng
 RT: 11.95 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BN010978.D
 Acq: 19 Jun 2020 19:59

Tgt Ion:142 Resp: 4106
 Ion Ratio Lower Upper
 142 100
 141 87.1 70.8 106.2
 115 38.7 31.5 47.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.16 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

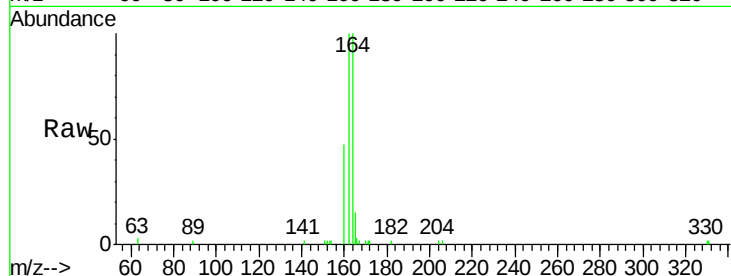
Tot Ion:164 Resp: 4398

Ion Ratio Lower Upper

164 100

162 100.0 81.0 121.6

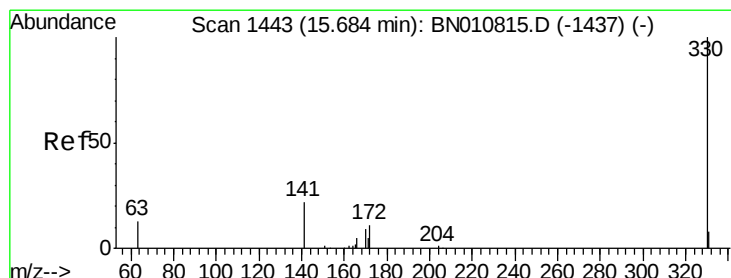
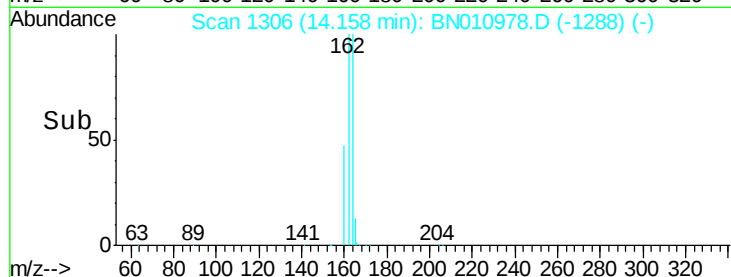
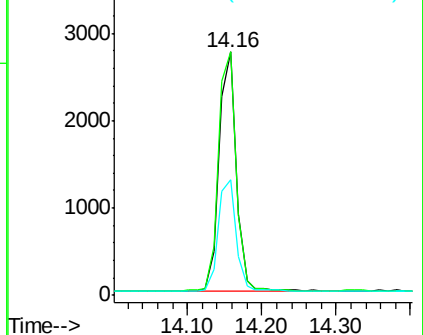
160 47.5 38.9 58.3



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: 0.366 ng

RT: 15.66 min Scan# 1441

Delta R.T. 0.01 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

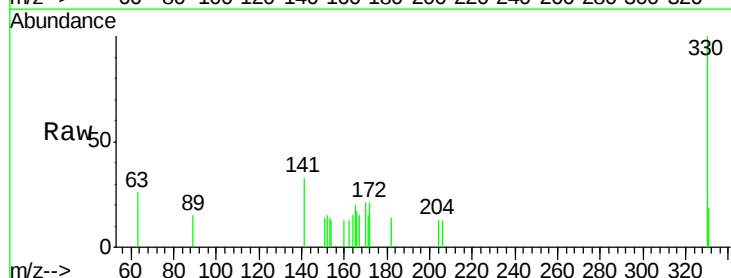
Tgt Ion:330 Resp: 576

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

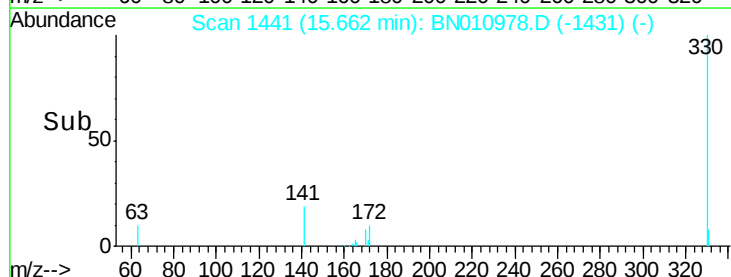
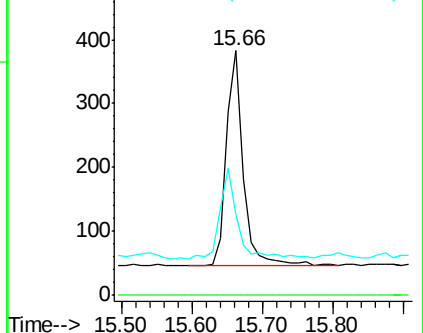
141 44.3 33.2 49.8



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

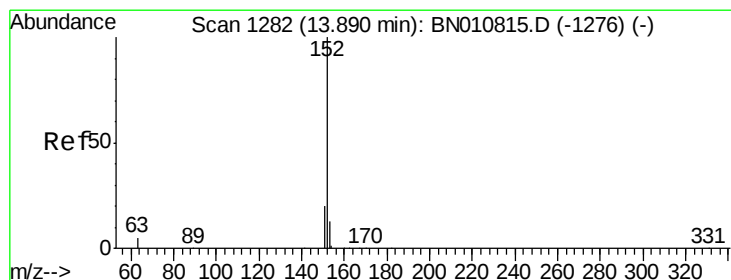
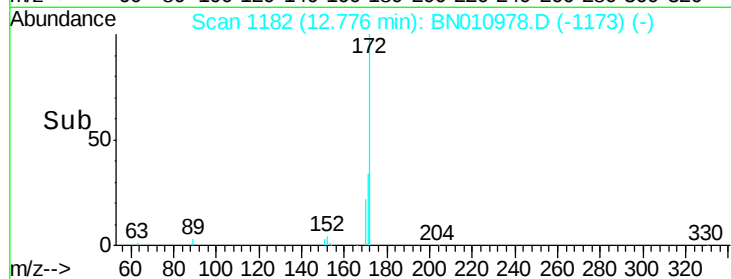
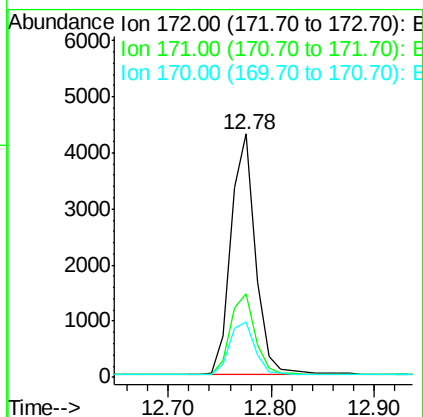
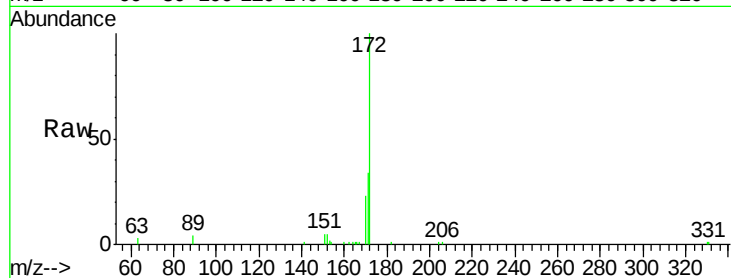




#15
2-Fluorobiphenyl
Concen: 0.410 ng
RT: 12.78 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BN010978.D
Acq: 19 Jun 2020 19:59

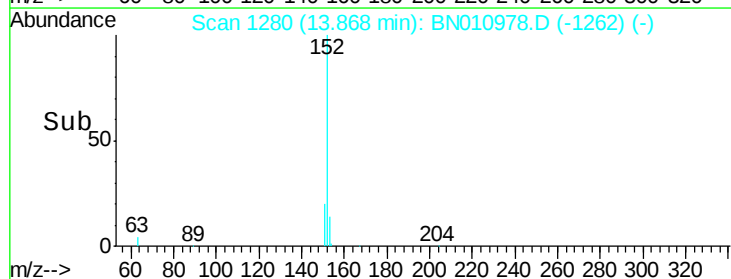
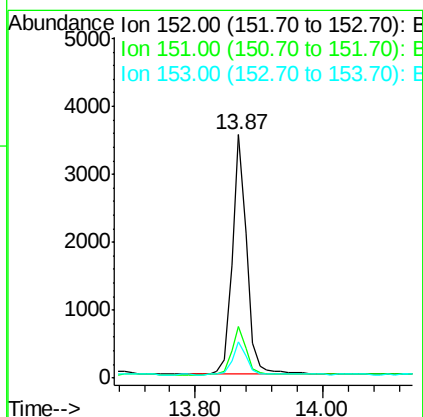
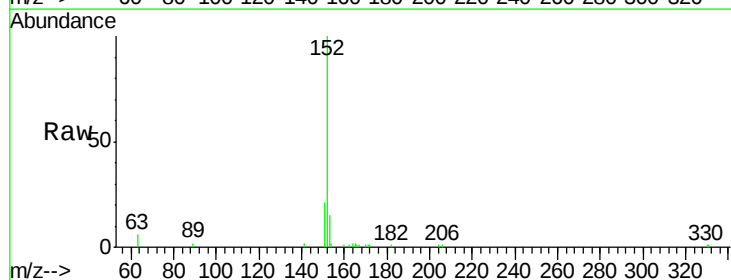
Instrument :
BNA_N
ClientSampleId :
RE139D2-20200616MS

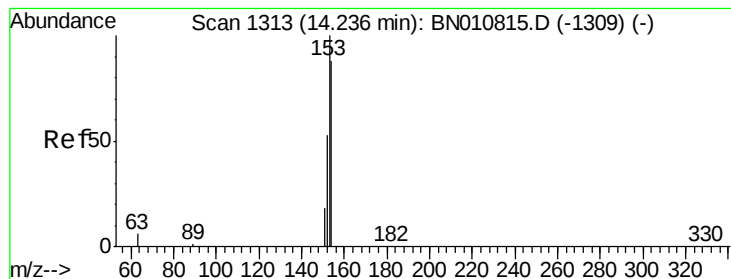
Tot Ion:172 Resp: 7122
Ion Ratio Lower Upper
172 100
171 34.4 28.5 42.7
170 22.7 19.7 29.5



#16
Acenaphthylene
Concen: 0.310 ng
RT: 13.87 min Scan# 1280
Delta R.T. -0.00 min
Lab File: BN010978.D
Acq: 19 Jun 2020 19:59

Tgt Ion:152 Resp: 5586
Ion Ratio Lower Upper
152 100
151 20.2 15.6 23.4
153 13.6 10.6 16.0





#17

Acenaphthene

Concen: 0.298 ng

RT: 14.21 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

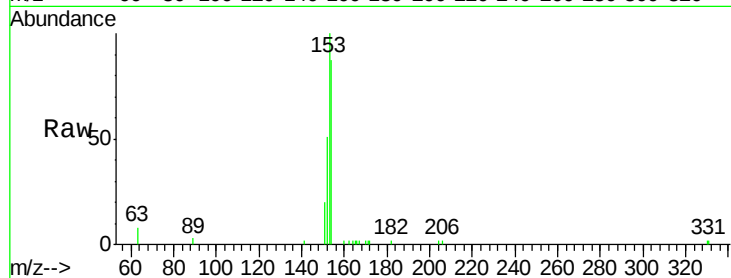
Tot Ion:154 Resp: 3655

Ion Ratio Lower Upper

154 100

153 114.6 91.8 137.6

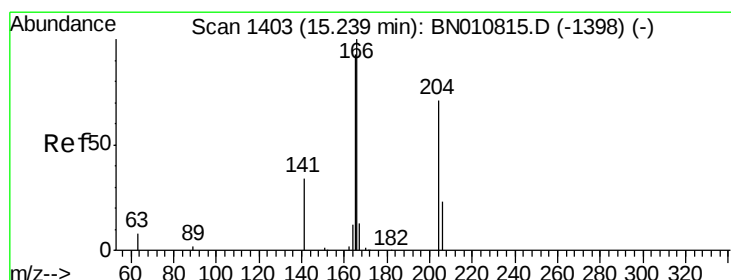
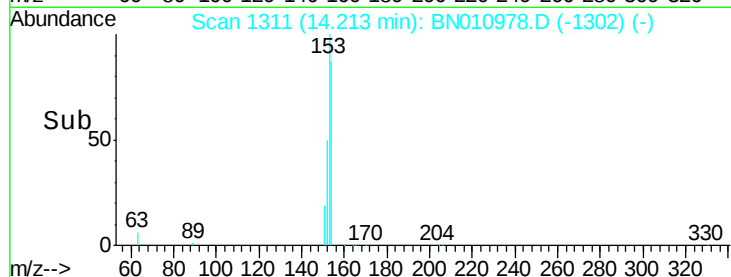
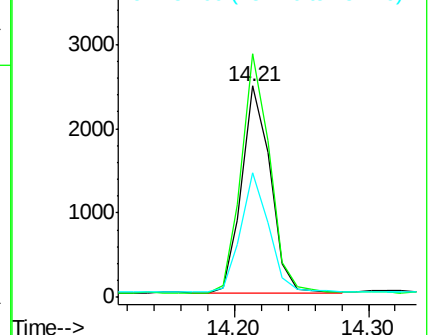
152 57.9 47.6 71.4



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: 0.313 ng

RT: 15.22 min Scan# 1401

Delta R.T. 0.01 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

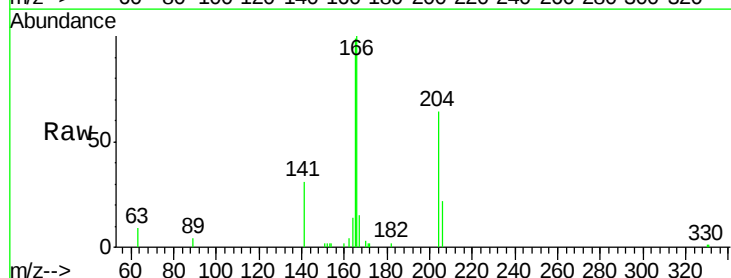
Tgt Ion:166 Resp: 4961

Ion Ratio Lower Upper

166 100

165 98.4 77.2 115.8

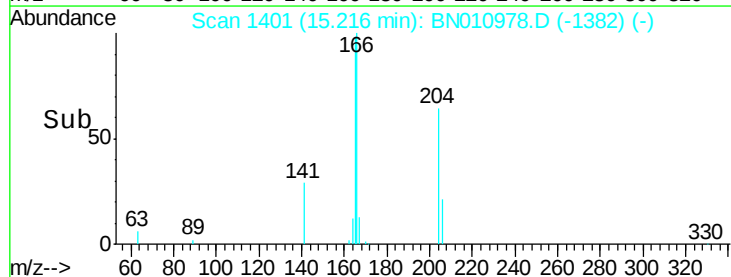
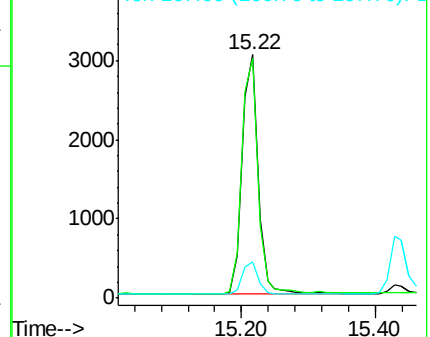
167 13.5 10.7 16.1

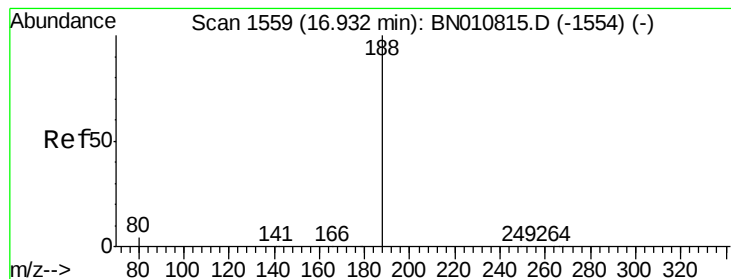


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.91 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

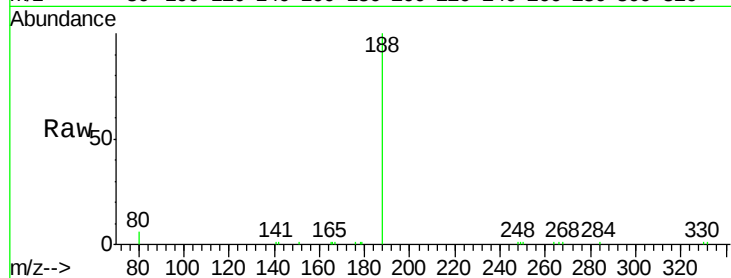
Tot Ion:188 Resp: 8952

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

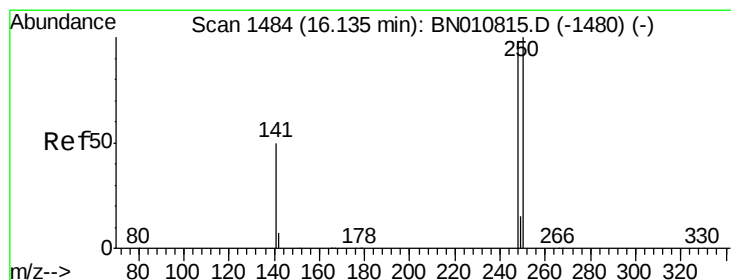
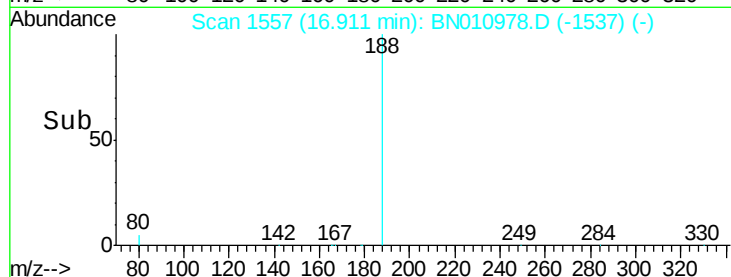
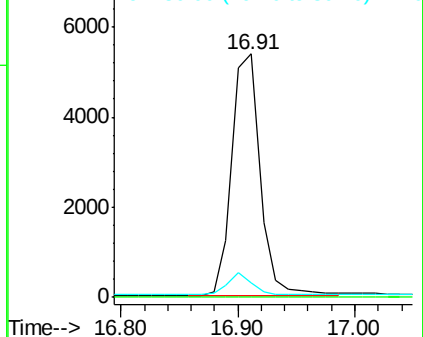
80 5.9 4.5 6.7



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: 0.317 ng

RT: 16.11 min Scan# 1482

Delta R.T. 0.01 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

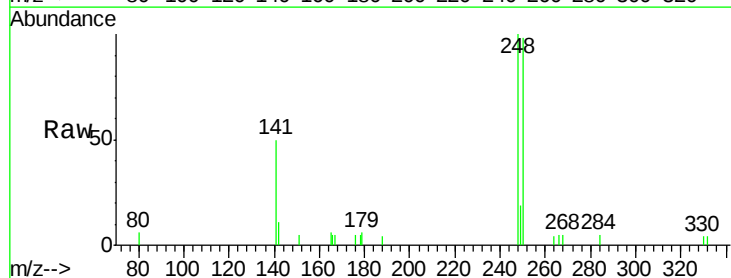
Tgt Ion:248 Resp: 1704

Ion Ratio Lower Upper

248 100

250 98.3 81.8 122.8

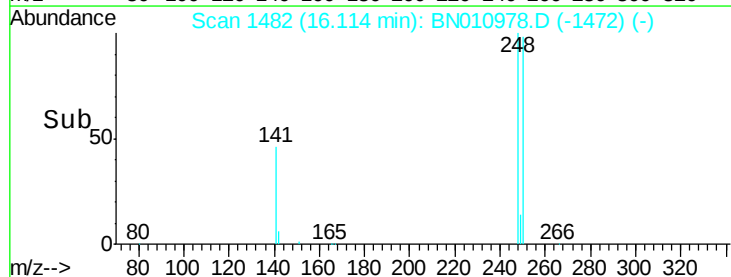
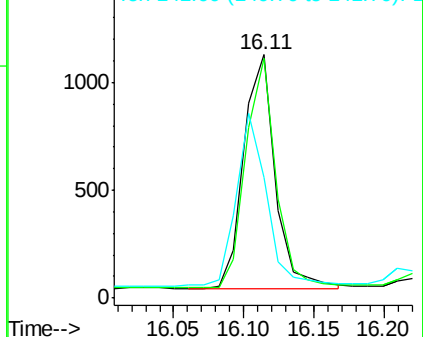
141 49.7 42.6 64.0

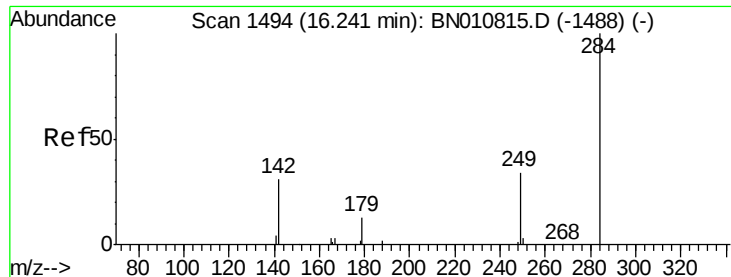


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

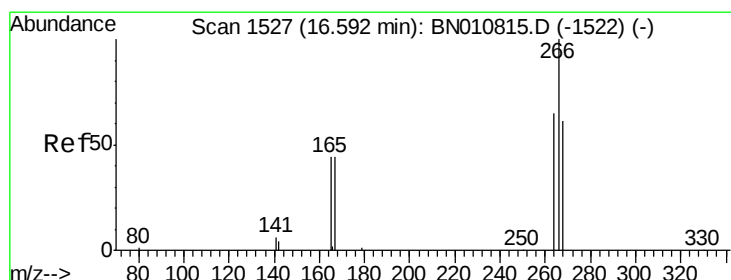
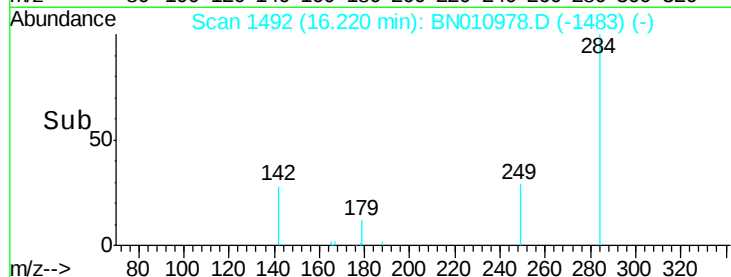
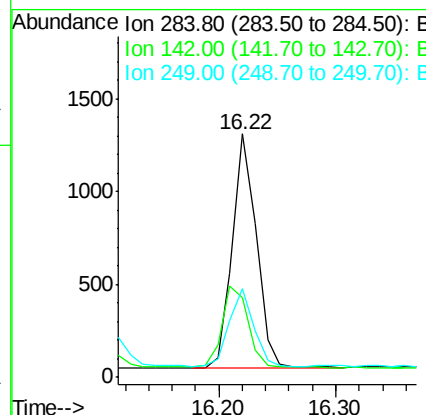
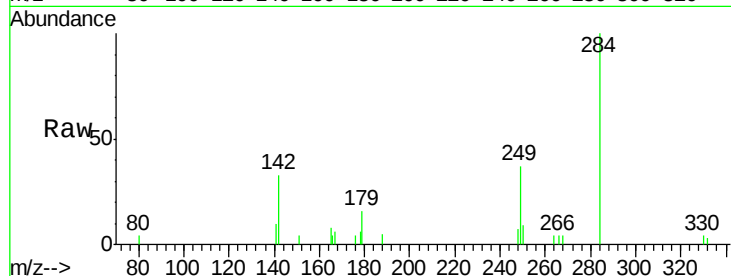




#21
Hexachlorobenzene
Concen: 0.317 ng
RT: 16.22 min Scan# 1492
Delta R.T. -0.00 min
Lab File: BN010978.D
Acq: 19 Jun 2020 19:59

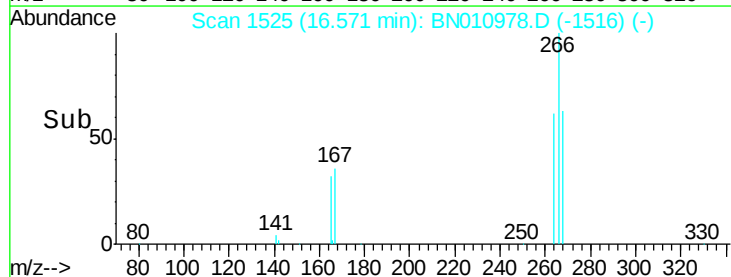
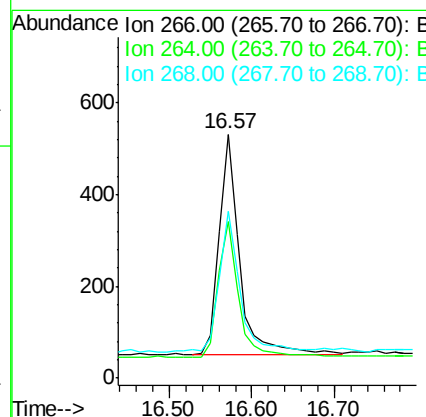
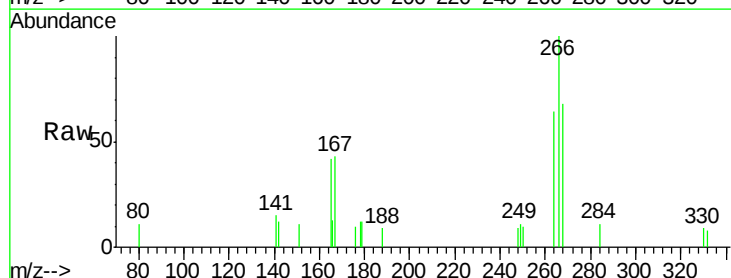
Instrument :
BNA_N
ClientSampleId :
RE139D2-20200616MS

Tot Ion	Ratio	Lower	Upper
284	100		
142	38.0	31.0	46.4
249	33.3	27.1	40.7



#22
Pentachlorophenol
Concen: 0.442 ng
RT: 16.57 min Scan# 1525
Delta R.T. -0.00 min
Lab File: BN010978.D
Acq: 19 Jun 2020 19:59

Tgt Ion	Ratio	Lower	Upper
266	100		
264	64.4	54.8	82.2
268	68.4	55.9	83.9





#23

Phenanthrene

Concen: 0.355 ng

RT: 16.94 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

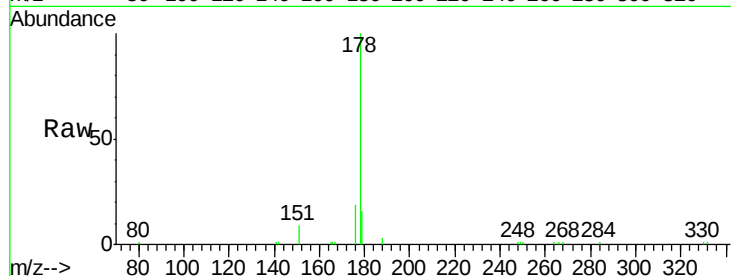
Tot Ion:178 Resp: 8672

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

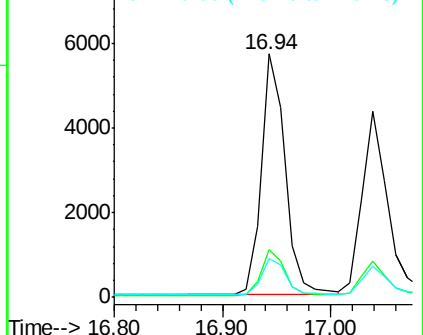
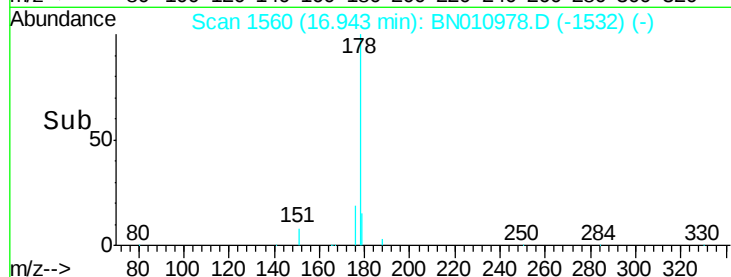
179 15.6 12.6 19.0



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



#24

Anthracene

Concen: 0.351 ng

RT: 17.04 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

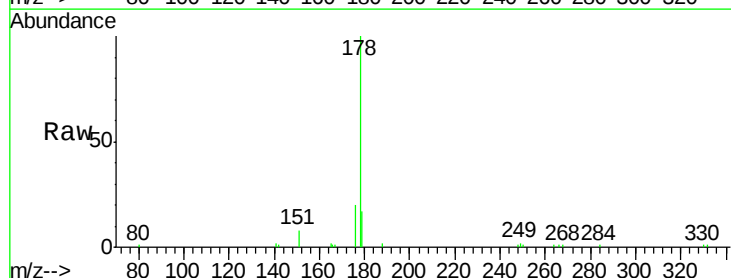
Tgt Ion:178 Resp: 7160

Ion Ratio Lower Upper

178 100

176 18.3 14.6 22.0

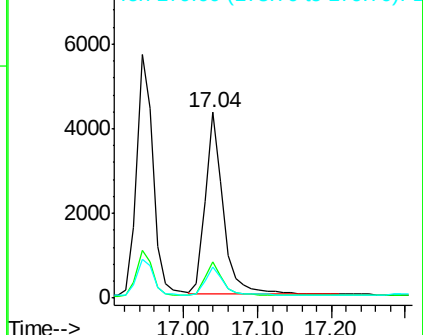
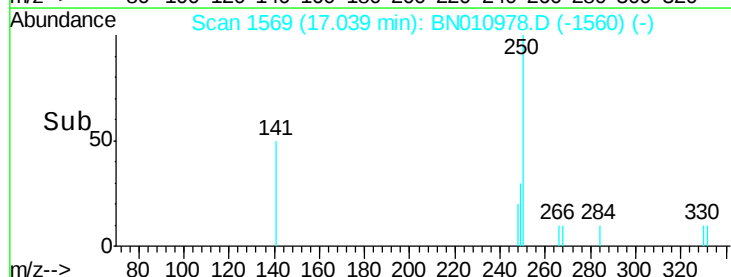
179 15.4 12.3 18.5

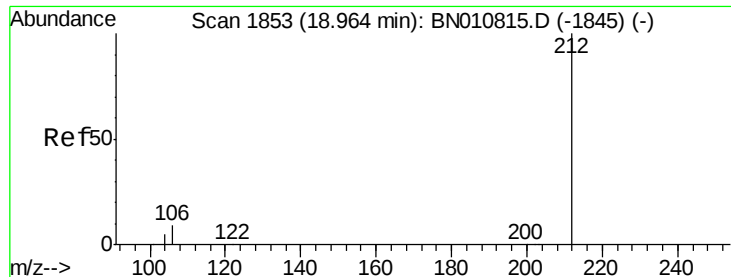


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.406 ng

RT: 18.94 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

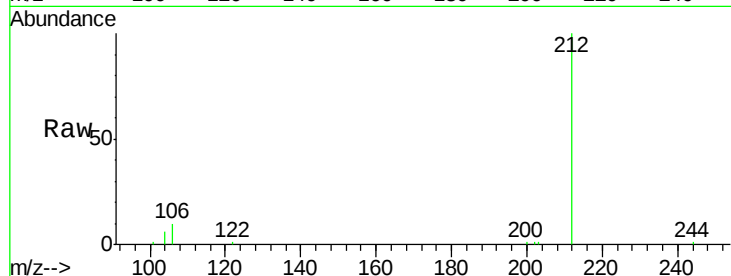
Tot Ion:212 Resp: 10033

Ion Ratio Lower Upper

212 100

106 8.9 6.6 10.0

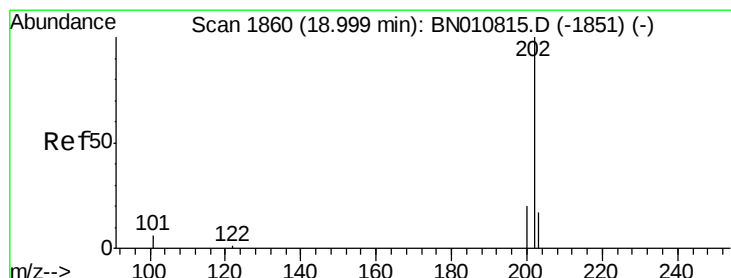
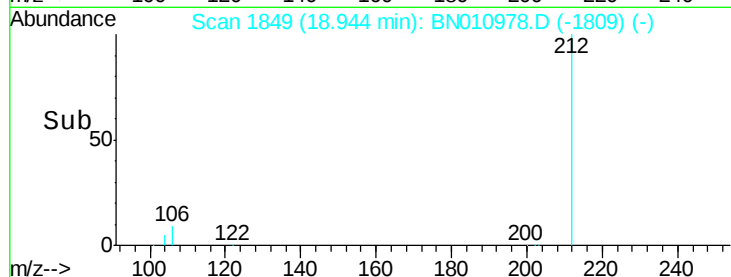
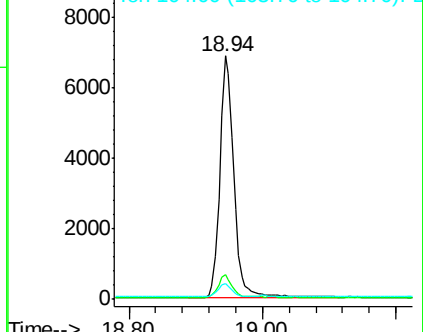
104 5.2 4.0 6.0



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: 0.399 ng

RT: 18.97 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

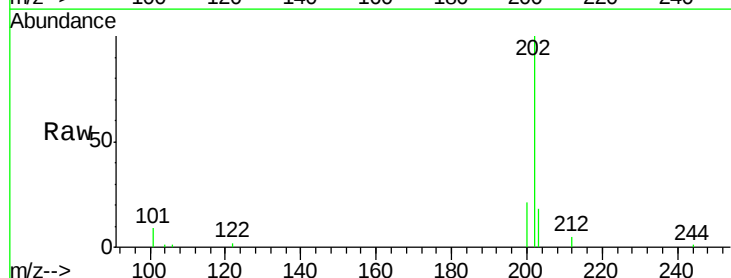
Tgt Ion:202 Resp: 11079

Ion Ratio Lower Upper

202 100

101 8.1 5.8 8.6

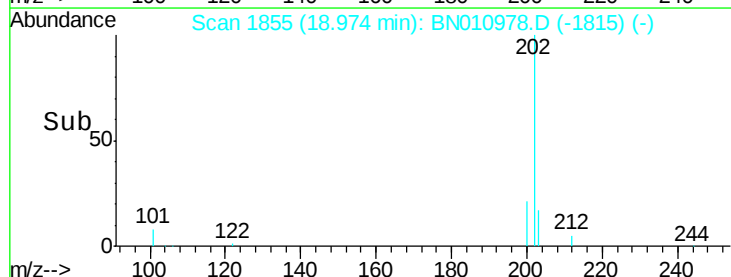
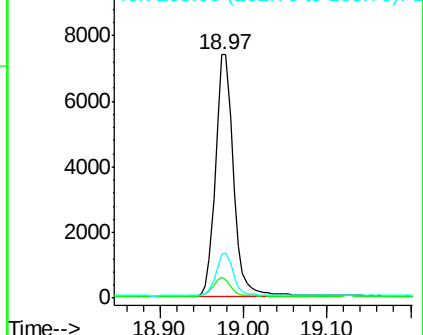
203 17.0 13.7 20.5



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

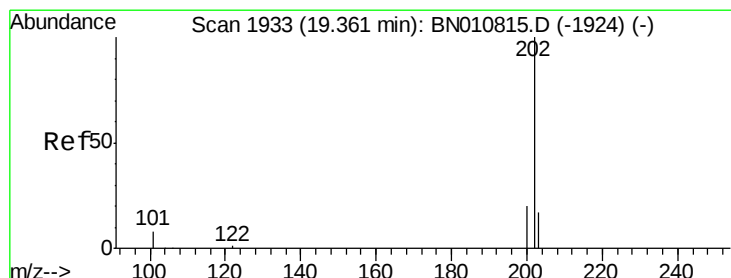
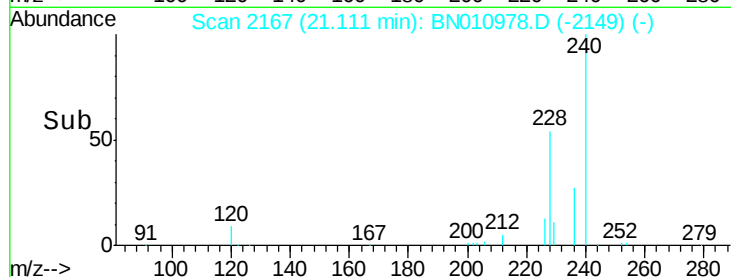
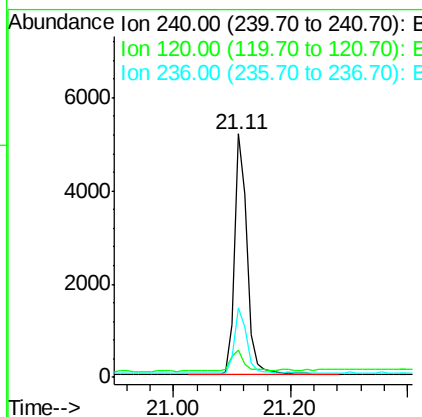
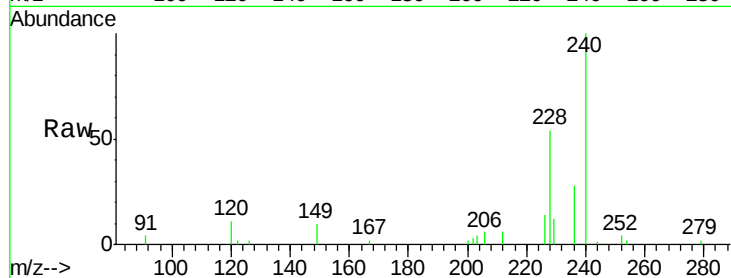




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.11 min Scan# 2167
 Delta R.T. -0.01 min
 Lab File: BN010978.D
 Acq: 19 Jun 2020 19:59

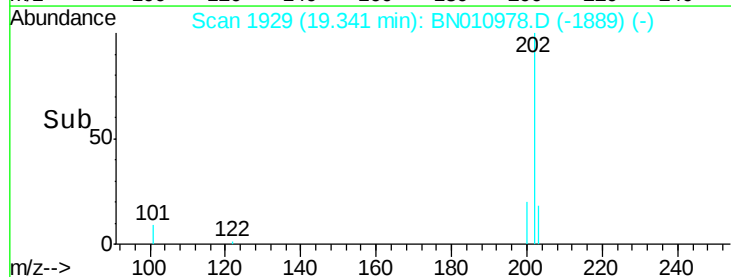
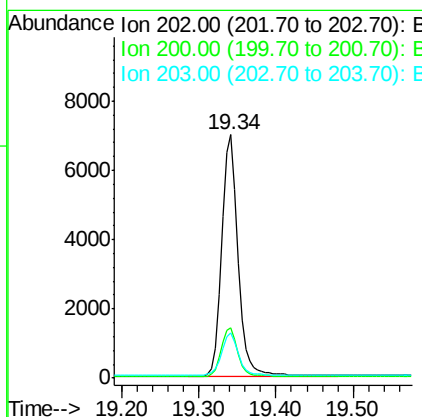
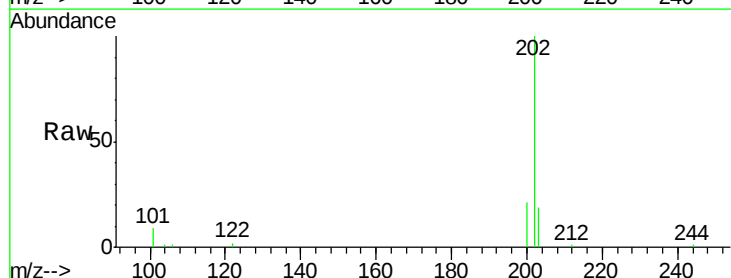
Instrument :
 BNA_N
 ClientSampleId :
 RE139D2-20200616MS

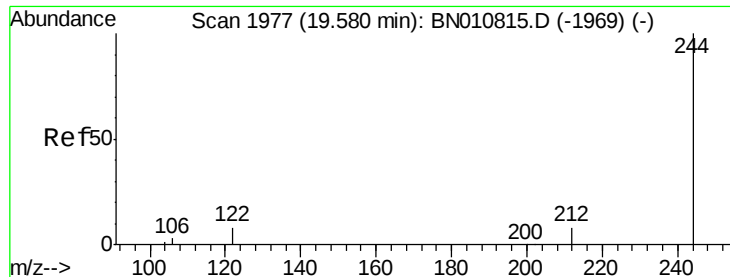
Tot Ion:240 Resp: 7566
 Ion Ratio Lower Upper
 240 100
 120 11.4 7.5 11.3#
 236 28.4 22.3 33.5



#28
 Pyrene
 Concen: 0.410 ng
 RT: 19.34 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: BN010978.D
 Acq: 19 Jun 2020 19:59

Tgt Ion:202 Resp: 10253
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.4 24.6
 203 18.0 14.2 21.4





#29

Terphenyl-d14

Concen: 0.558 ng

RT: 19.56 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

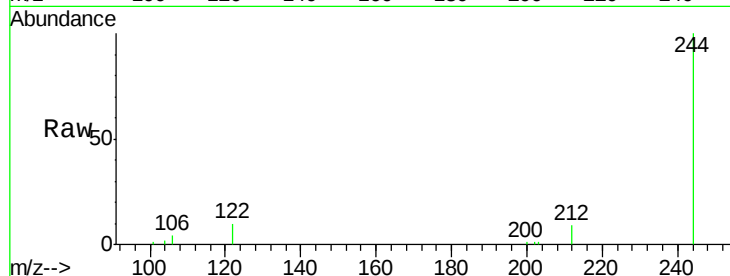
Tot Ion:244 Resp: 9875

Ion Ratio Lower Upper

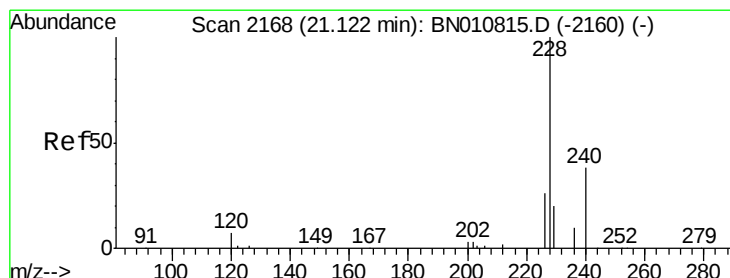
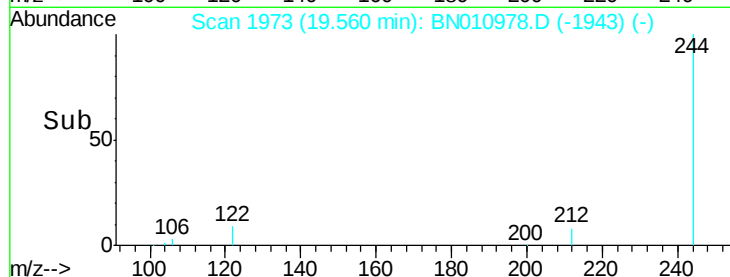
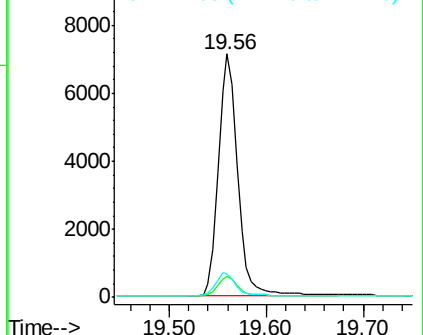
244 100

212 8.6 7.4 11.2

122 9.6 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: 0.363 ng

RT: 21.10 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

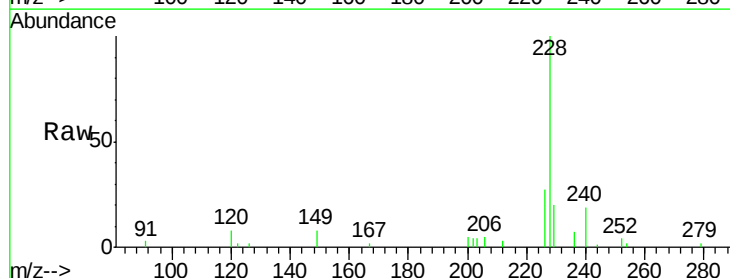
Tgt Ion:228 Resp: 8075

Ion Ratio Lower Upper

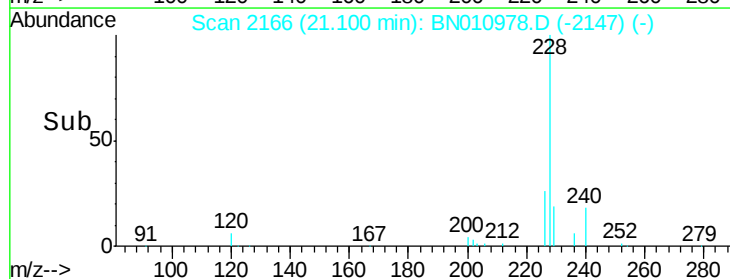
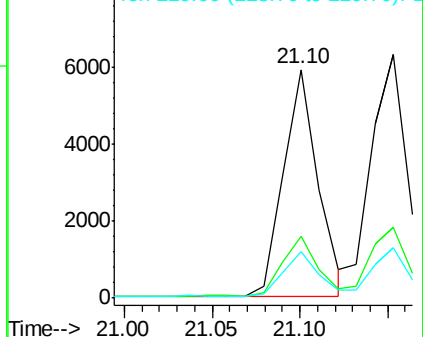
228 100

226 26.8 21.3 31.9

229 20.1 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

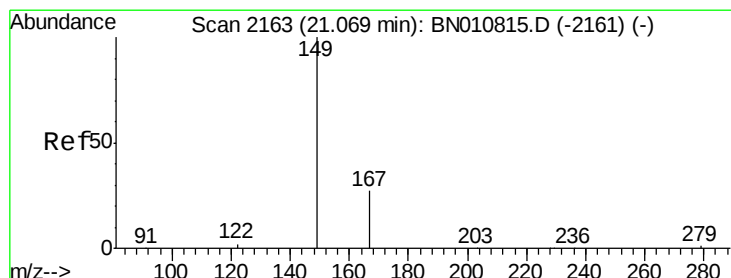
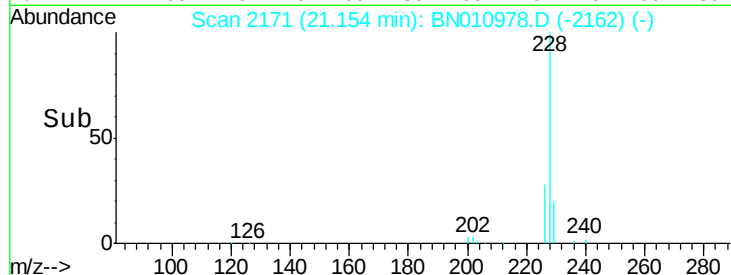
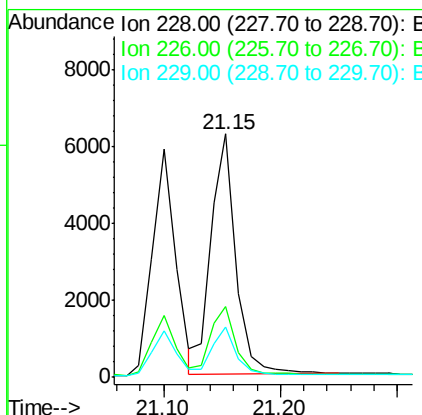
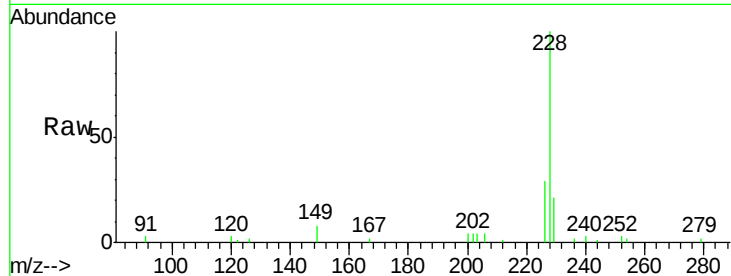




#31
 Chrysene
 Concen: 0.357 ng
 RT: 21.15 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: BN010978.D
 Acq: 19 Jun 2020 19:59

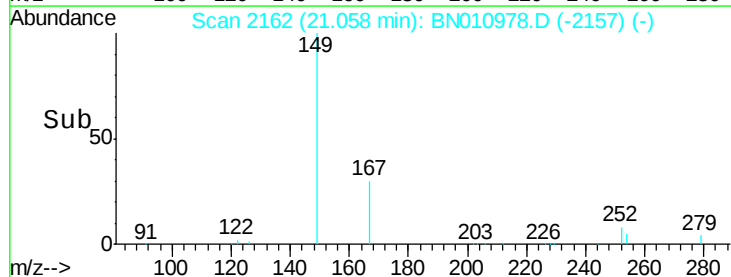
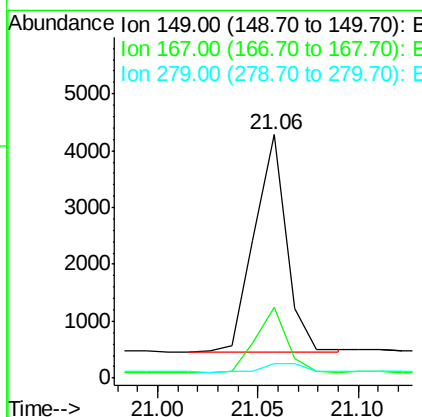
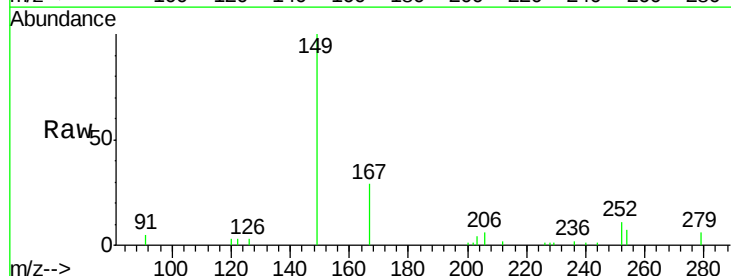
Instrument :
 BNA_N
 ClientSampleId :
 RE139D2-20200616MS

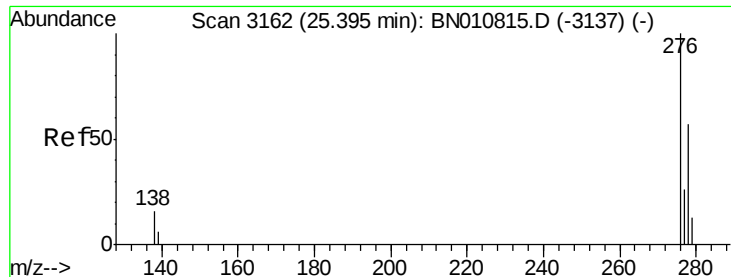
Tot Ion:228 Resp: 9248
 Ion Ratio Lower Upper
 228 100
 226 29.1 25.0 37.6
 229 20.7 16.1 24.1



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.582 ng
 RT: 21.06 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: BN010978.D
 Acq: 19 Jun 2020 19:59

Tgt Ion:149 Resp: 4315
 Ion Ratio Lower Upper
 149 100
 167 28.5 24.1 36.1
 279 5.1 4.6 7.0





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.370 ng

RT: 25.36 min Scan# 3151

Delta R.T. -0.01 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

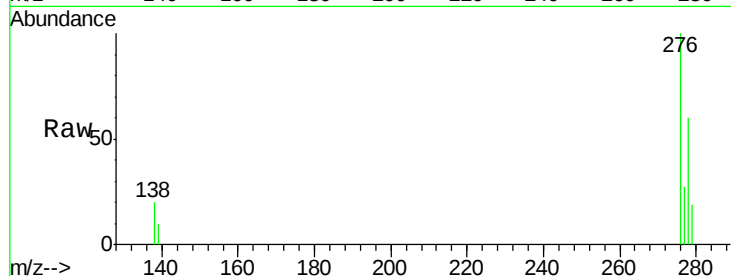
Tot Ion:276 Resp: 10728

Ion Ratio Lower Upper

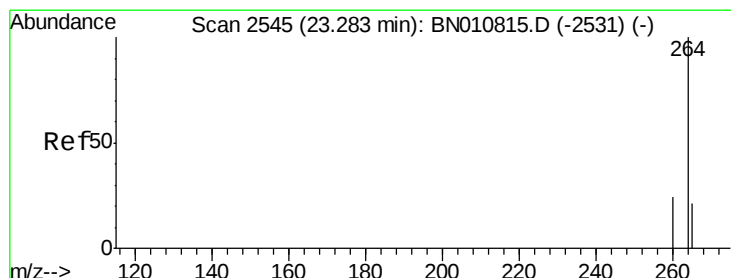
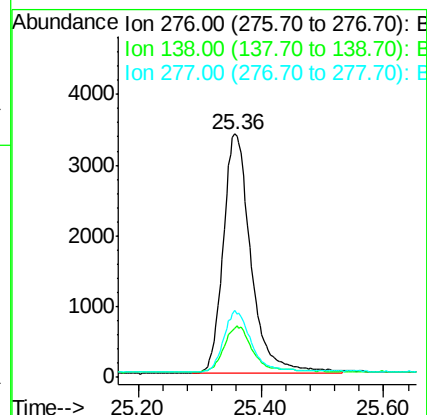
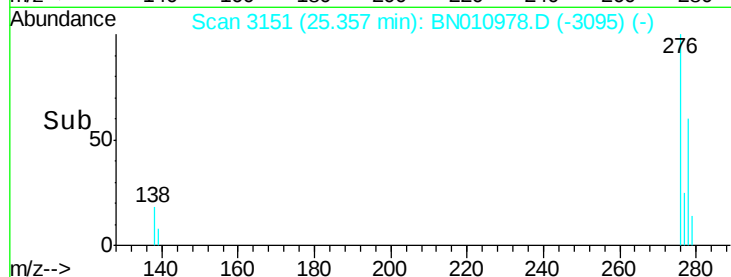
276 100

138 19.7 13.0 19.6#

277 24.7 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# 2537

Delta R.T. -0.01 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

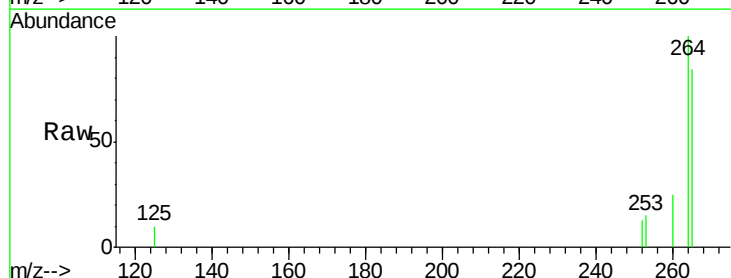
Tgt Ion:264 Resp: 7337

Ion Ratio Lower Upper

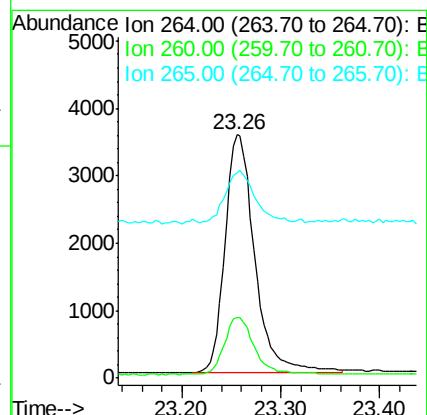
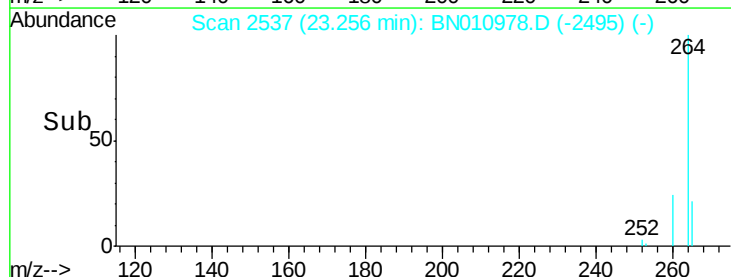
264 100

260 25.1 20.4 30.6

265 84.3 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: 0.372 ng

RT: 22.67 min Scan# 2365

Delta R.T. 0.04 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

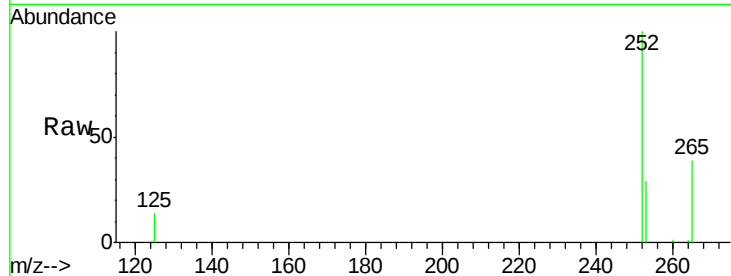
Tot Ion:252 Resp: 9282

Ion Ratio Lower Upper

252 100

253 29.0 22.4 33.6

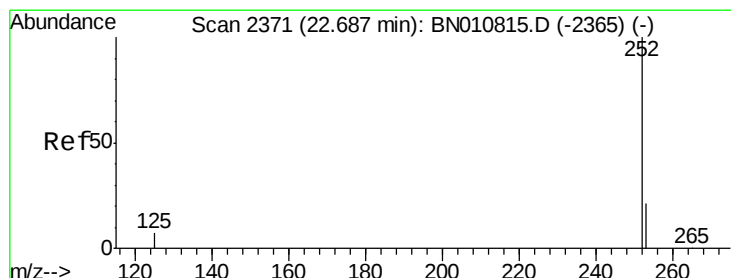
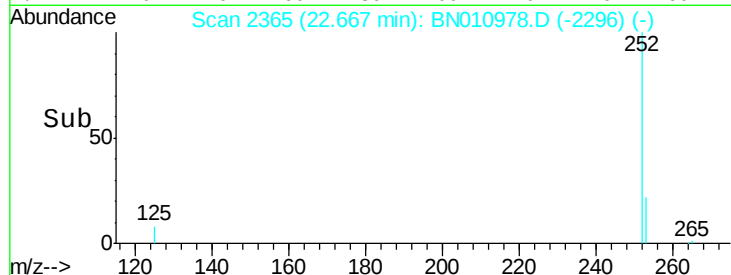
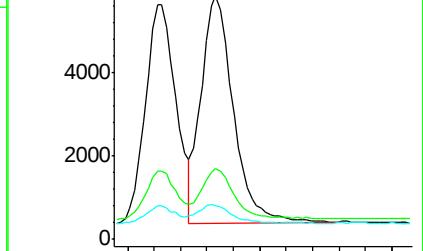
125 14.0 9.4 14.0



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: 0.349 ng

RT: 22.67 min Scan# 2365

Delta R.T. -0.01 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

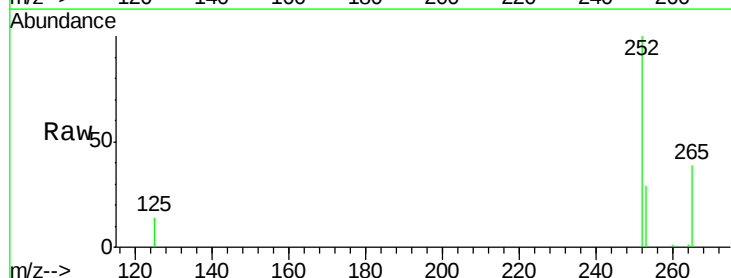
Tgt Ion:252 Resp: 9282

Ion Ratio Lower Upper

252 100

253 29.0 22.2 33.4

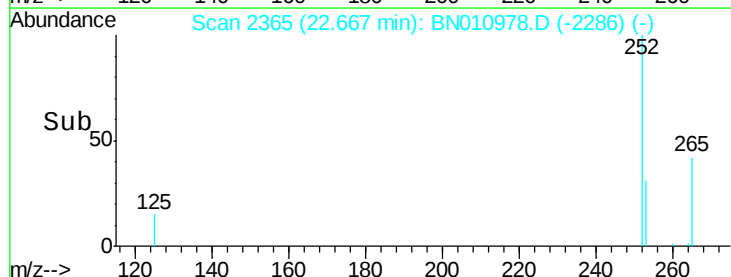
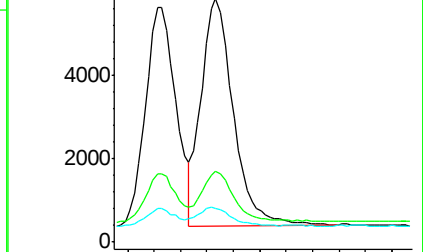
125 14.0 9.8 14.8



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: 0.338 ng

RT: 23.17 min Scan# 2511

Delta R.T. -0.00 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS

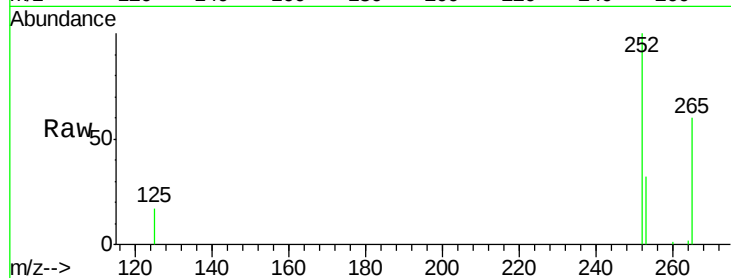
Tot Ion:252 Resp: 7227

Ion Ratio Lower Upper

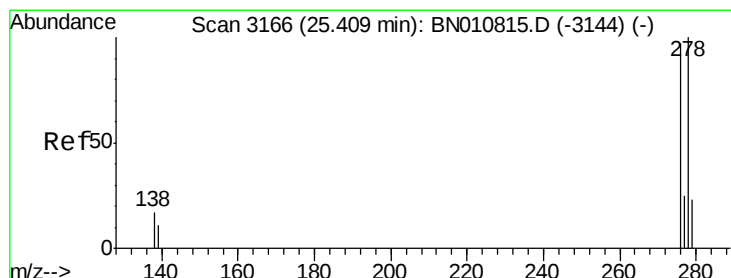
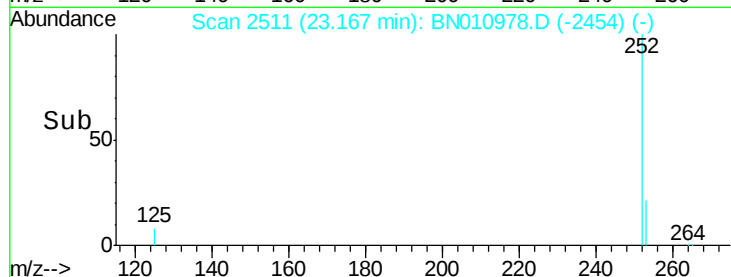
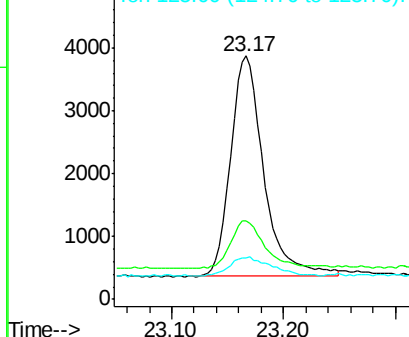
252 100

253 32.1 25.8 38.8

125 17.2 12.4 18.6



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

Dibenzo(a,h)anthracene

Concen: 0.363 ng

RT: 25.37 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BN010978.D

Acq: 19 Jun 2020 19:59

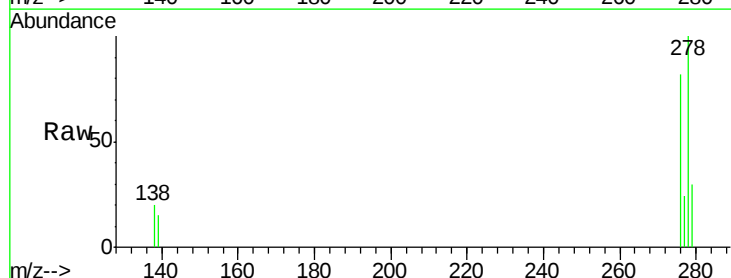
Tgt Ion:278 Resp: 8867

Ion Ratio Lower Upper

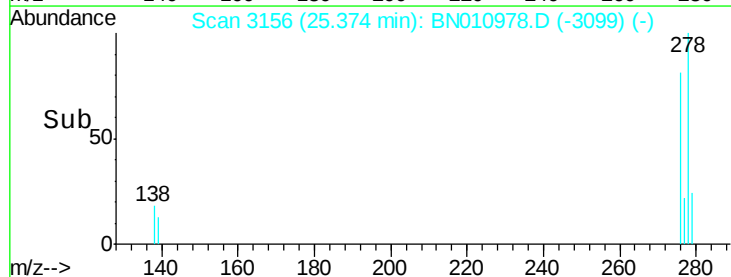
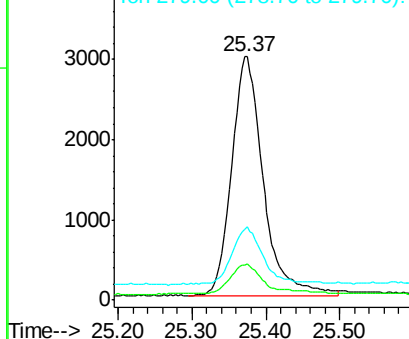
278 100

139 14.9 10.6 15.8

279 29.9 23.6 35.4



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





#39

Benzo(a,h,i)perylene

Concen: 0.428 ng

RT: 25.99 min Scan# 3337

Delta R.T. -0.01 min

Lab File: BN010978.D

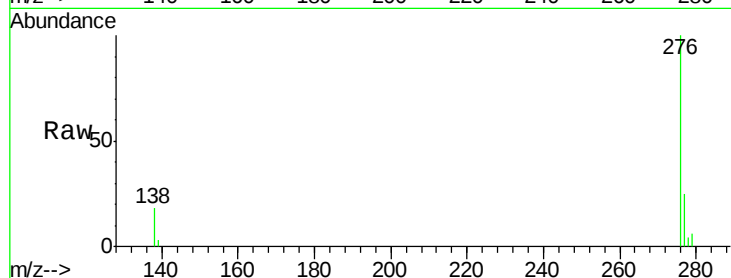
Acq: 19 Jun 2020 19:59

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MS



Tot Ion: 276 Resp: 10925

Ion Ratio Lower Upper

276 100

277 24.7 20.5 30.7

138 17.6 13.7 20.5

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

