

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061920\
 Data File : BN010979.D
 Acq On : 19 Jun 2020 20:35
 Operator : CG/JU
 Sample : L3043-12MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE139D2-20200616MSD

Quant Time: Jun 20 06:16:43 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	2075	0.40	ng	0.00
7) Naphthalene-d8	10.28	136	7043	0.40	ng	0.00
13) Acenaphthene-d10	14.16	164	4550	0.40	ng	0.00
19) Phenanthrene-d10	16.90	188	8144	0.40	ng	0.00
27) Chrysene-d12	21.12	240	7534	0.40	ng	0.00
34) Perylene-d12	23.26	264	7339	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	679	0.17	ng	0.00
5) Phenol-d6	6.73	99	481	0.10	ng	0.00
8) Nitrobenzene-d5	8.67	82	2263	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	11.88	152	3448	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.66	330	597	0.37	ng	0.01
15) 2-Fluorobiphenyl	12.78	172	6039	0.34	ng	0.00
25) Fluoranthene-d10	18.94	212	8288	0.37	ng	0.00
29) Terphenyl-d14	19.56	244	10545	0.60	ng	0.00

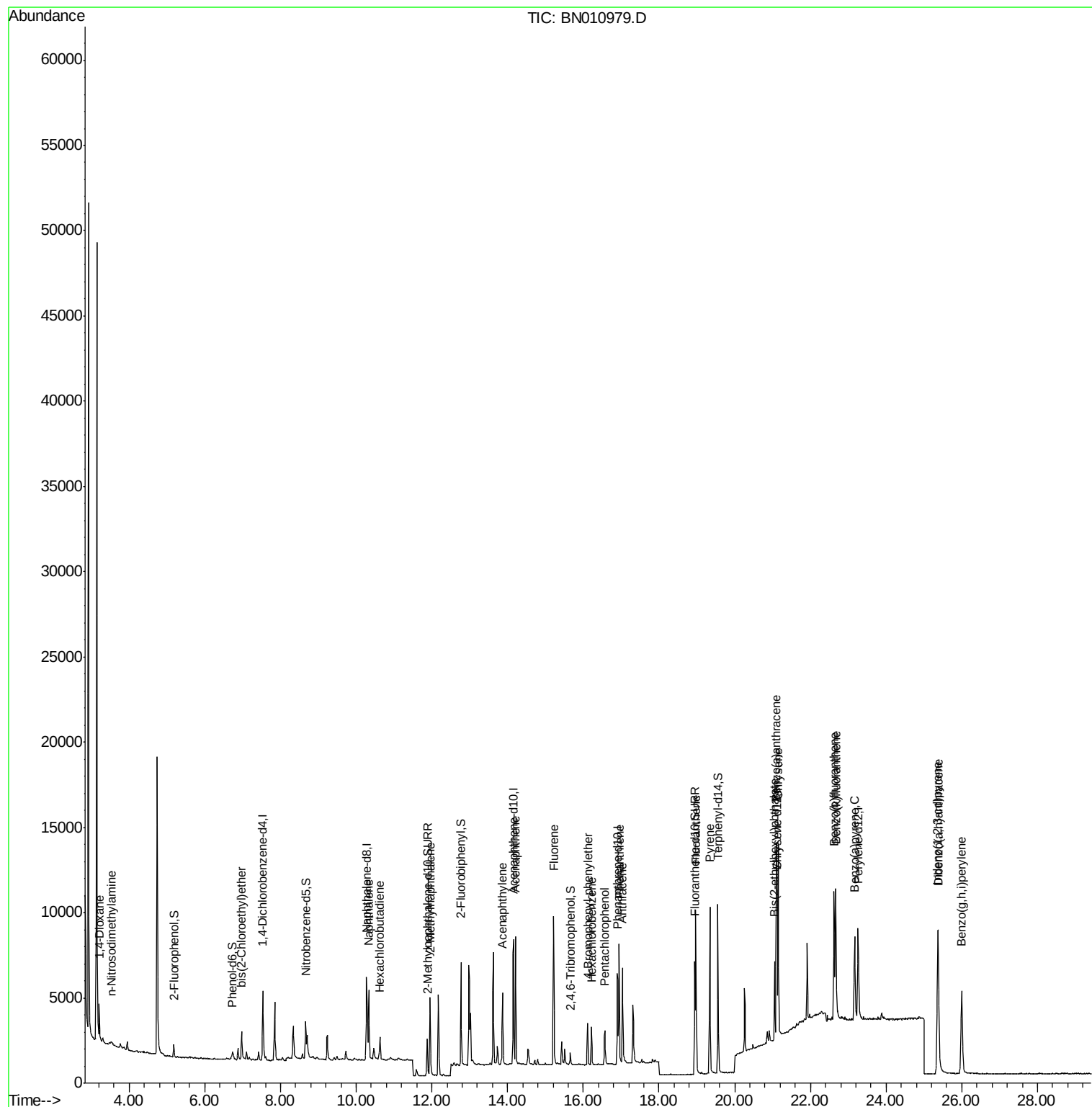
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.21	88	1592	0.783	ng	98
3) n-Nitrosodimethylamine	3.53	42	184	0.156	ng	# 99
6) bis(2-Chloroethyl)ether	6.98	93	1527	0.332	ng	98
9) Naphthalene	10.33	128	5360	0.303	ng	100
10) Hexachlorobutadiene	10.62	225	1117	0.255	ng	# 99
12) 2-Methylnaphthalene	11.95	142	3588	0.303	ng	98
16) Acenaphthylene	13.87	152	4910	0.263	ng	99
17) Acenaphthene	14.21	154	3644	0.287	ng	98
18) Fluorene	15.22	166	4197	0.256	ng	97
20) 4-Bromophenyl-phenylether	16.11	248	1443	0.295	ng	96
21) Hexachlorobenzene	16.22	284	1596	0.313	ng	100
22) Pentachlorophenol	16.57	266	1175	0.686	ng	96
23) Phenanthrene	16.94	178	7902	0.355	ng	100
24) Anthracene	17.04	178	6556	0.353	ng	99
26) Fluoranthene	18.97	202	9296	0.368	ng	99
28) Pyrene	19.34	202	10139	0.407	ng	99
30) Benzo(a)anthracene	21.10	228	8913	0.402	ng	99
31) Chrysene	21.15	228	9042	0.350	ng	98
32) Bis(2-ethylhexyl)phthalate	21.06	149	3568	0.483	ng	97
33) Indeno(1,2,3-cd)pyrene	25.36	276	10670	0.370	ng	96
35) Benzo(b)fluoranthene	22.63	252	9732	0.390	ng	98
36) Benzo(k)fluoranthene	22.67	252	10141	0.381	ng	98
37) Benzo(a)pyrene	23.17	252	7589	0.355	ng	98
38) Dibenzo(a,h)anthracene	25.38	278	8987	0.368	ng	98
39) Benzo(g,h,i)perylene	26.00	276	9760	0.383	ng	98

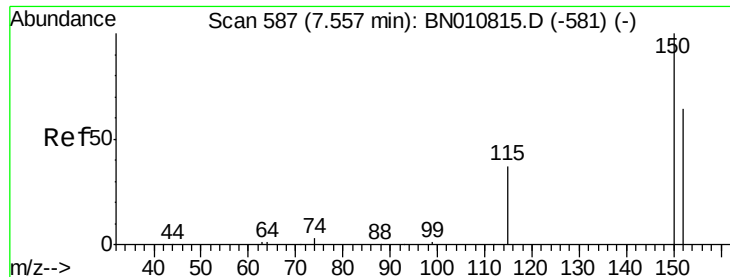
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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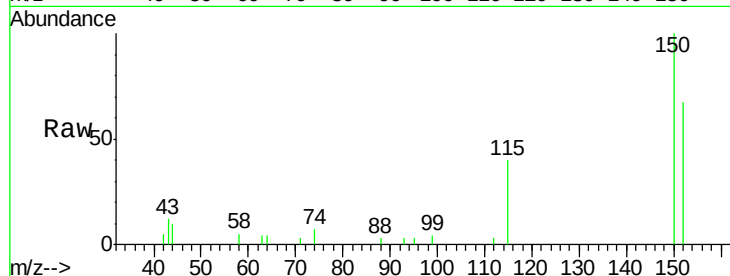


#1

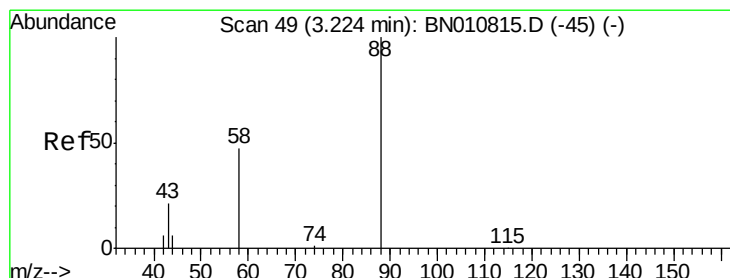
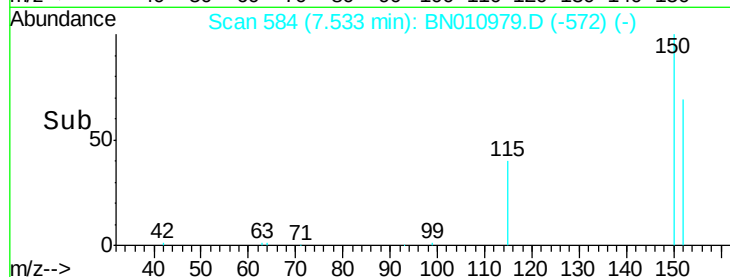
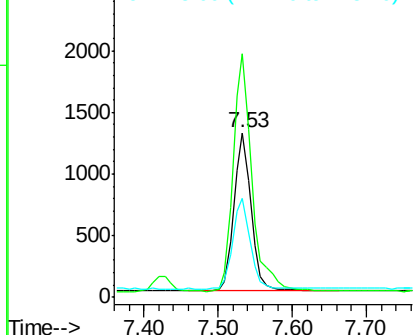
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.53 min Scan# 584
Delta R.T. -0.00 min
Lab File: BN010979.D
Acq: 19 Jun 2020 20:35

Instrument :
BNA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion:152 Resp: 2075
Ion Ratio Lower Upper
152 100
150 148.2 123.8 185.6
115 60.0 49.2 73.8



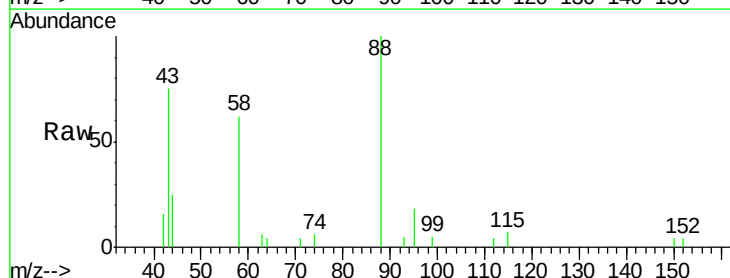
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



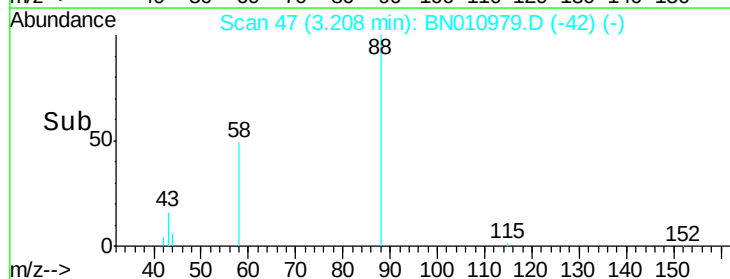
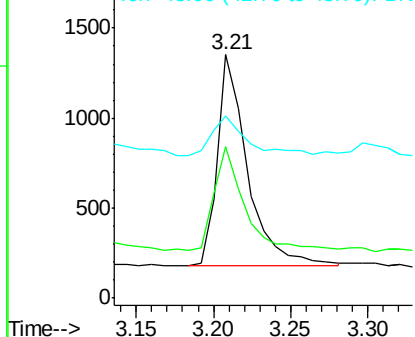
#2

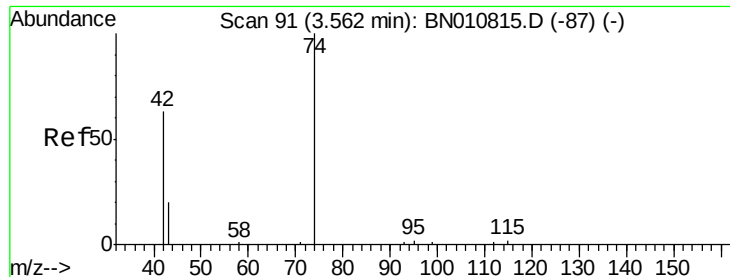
1,4-Dioxane
Concen: 0.783 ng
RT: 3.21 min Scan# 47
Delta R.T. -0.01 min
Lab File: BN010979.D
Acq: 19 Jun 2020 20:35

Tgt Ion: 88 Resp: 1592
Ion Ratio Lower Upper
88 100
58 48.6 38.2 57.4
43 20.7 15.1 22.7



Abundance Ion 88.00 (87.70 to 88.70): BN0
Ion 58.00 (57.70 to 58.70): BN0
Ion 43.00 (42.70 to 43.70): BN0



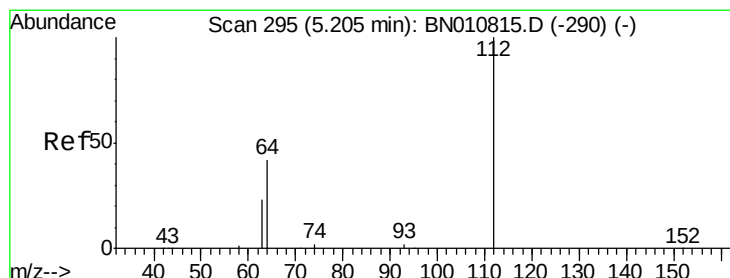
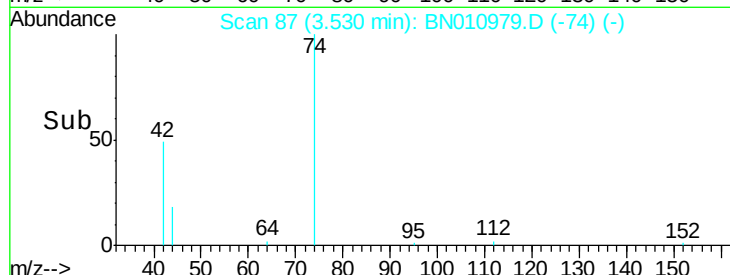
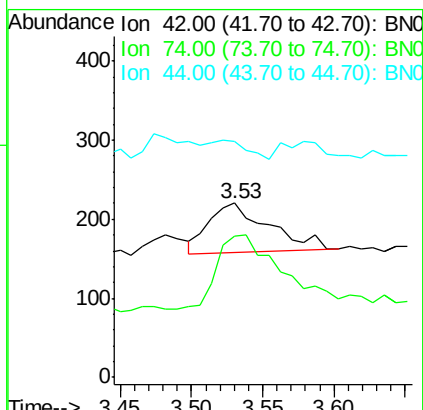
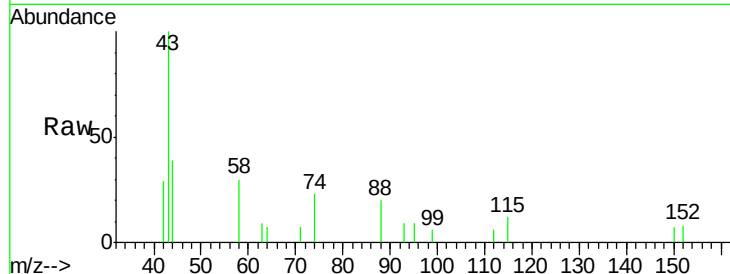


#3

n-Nitrosodimethylamine
Concen: 0.156 ng
RT: 3.53 min Scan# 87
Delta R.T. 0.01 min
Lab File: BN010979.D
Acq: 19 Jun 2020 20:35

Instrument :
BNA_N
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RE139D2-20200616MSD

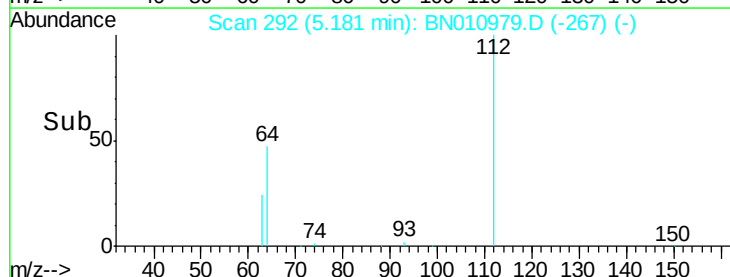
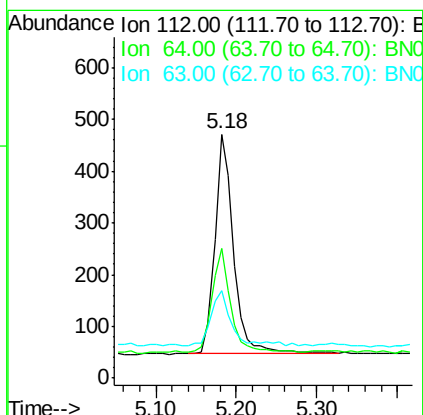
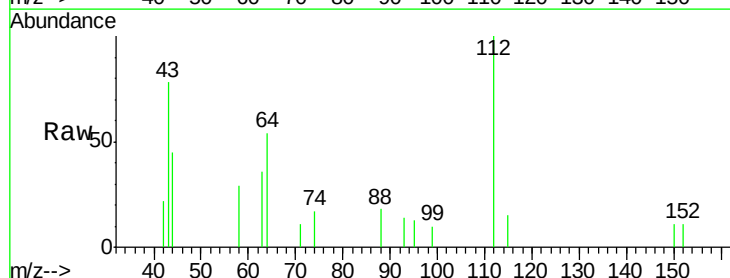
Tot Ion: 42 Resp: 184
Ion Ratio Lower Upper
42 100
74 174.5 140.7 211.1
44 0.0 1.4 2.2#

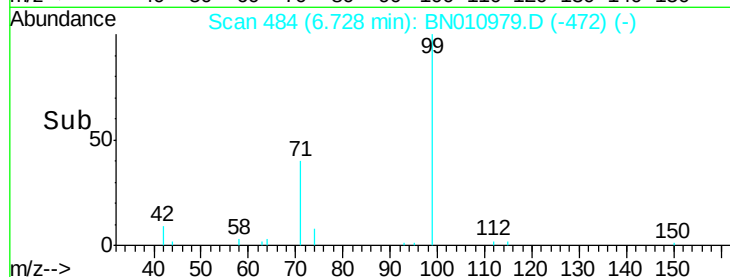
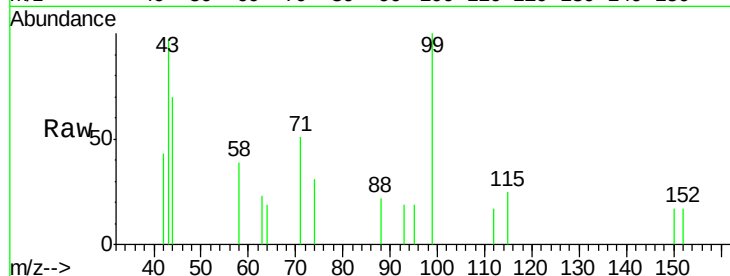
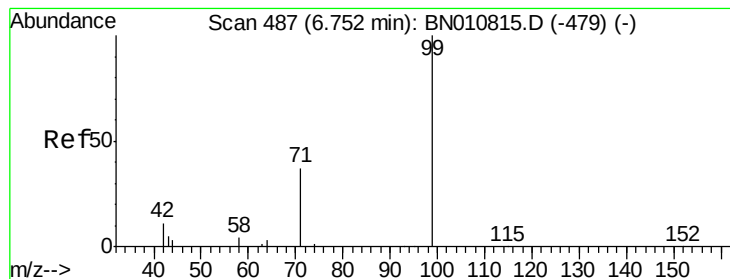


#4

2-Fluorophenol
Concen: 0.170 ng
RT: 5.18 min Scan# 292
Delta R.T. -0.00 min
Lab File: BN010979.D
Acq: 19 Jun 2020 20:35

Tgt Ion: 112 Resp: 679
Ion Ratio Lower Upper
112 100
64 45.4 37.4 56.0
63 28.3 22.2 33.4





#5

Phenol-d6

Concen: 0.102 ng

RT: 6.73 min Scan# 484

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

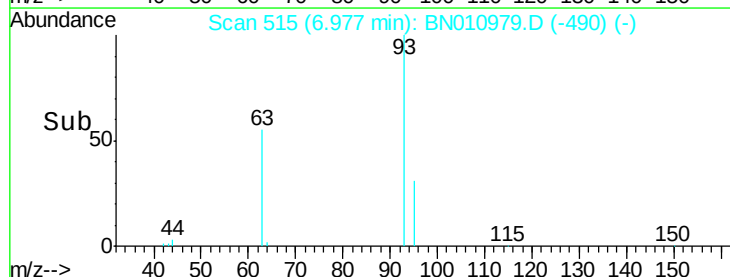
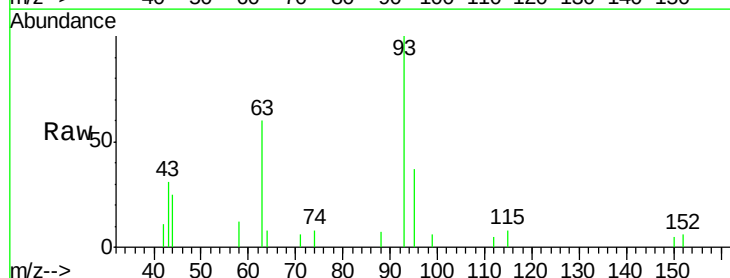
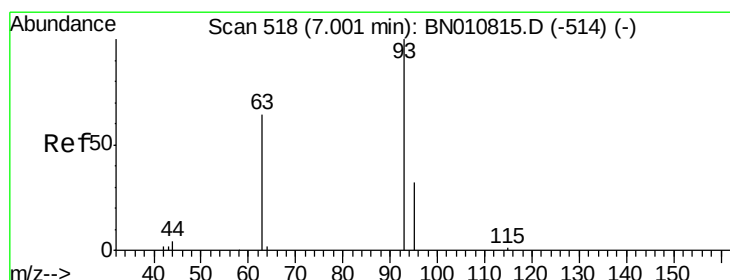
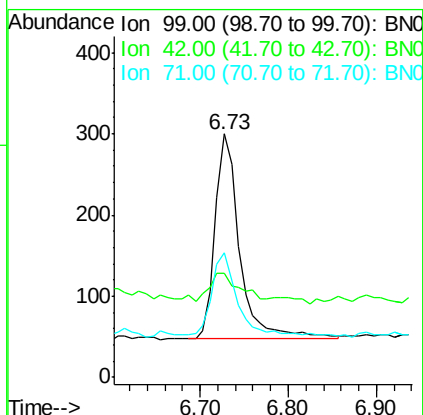
Tot Ion: 99 Resp: 481

Ion Ratio Lower Upper

99 100

42 14.3 11.1 16.7

71 42.4 31.4 47.2



#6

bis(2-Chloroethyl)ether

Concen: 0.332 ng

RT: 6.98 min Scan# 515

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

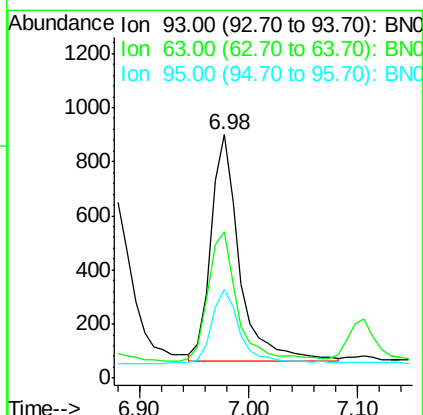
Tgt Ion: 93 Resp: 1527

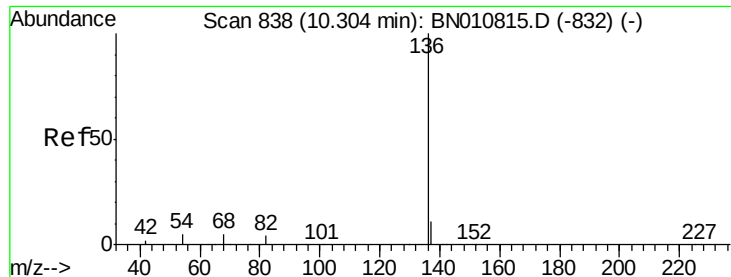
Ion Ratio Lower Upper

93 100

63 59.6 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: BN010979.D

Acq: 19 Jun 2020 20:35

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

Tot Ion:136 Resp: 7043

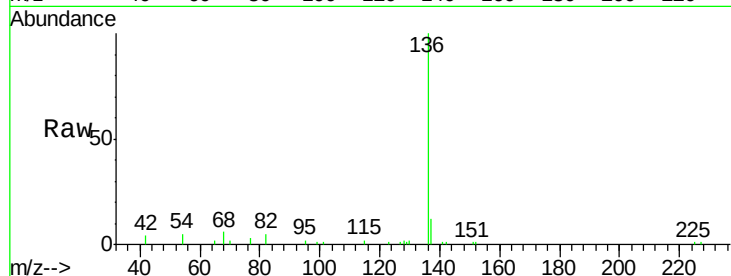
Ion Ratio Lower Upper

136 100

137 12.0 9.7 14.5

54 5.2 4.9 7.3

68 6.0 4.7 7.1

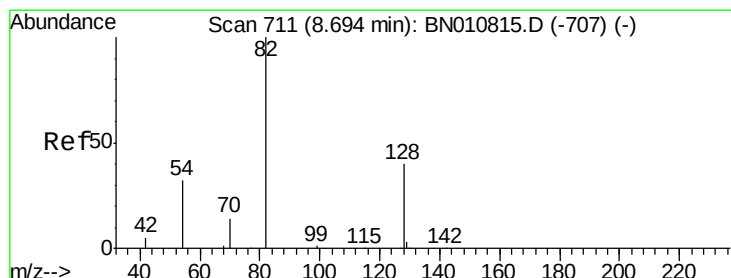
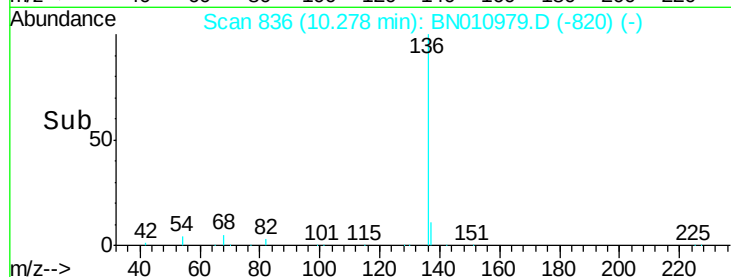
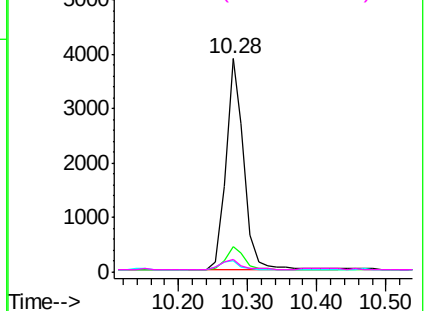


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.434 ng

RT: 8.67 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

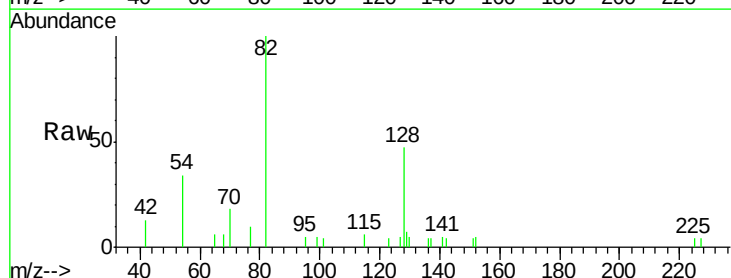
Tgt Ion: 82 Resp: 2263

Ion Ratio Lower Upper

82 100

128 47.0 35.4 53.0

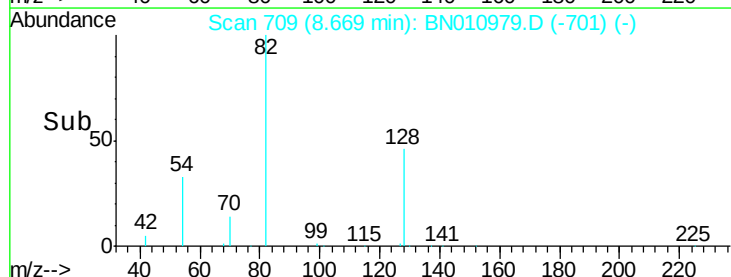
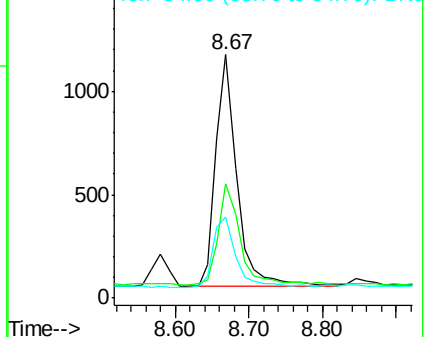
54 33.6 28.2 42.4

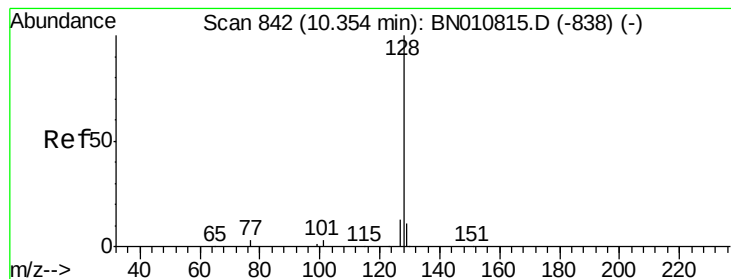


Abundance Ion 82.00 (81.70 to 82.70): BNC

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: BN010979.D

Acq: 19 Jun 2020 20:35

Instrument :

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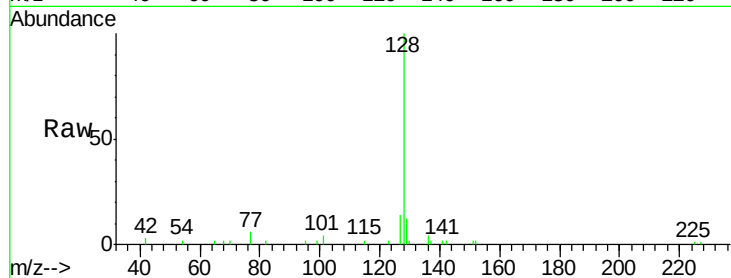
Tot Ion:128 Resp: 5360

Ion Ratio Lower Upper

128 100

129 12.1 9.6 14.4

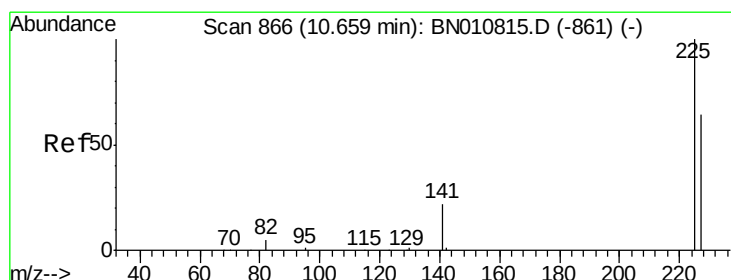
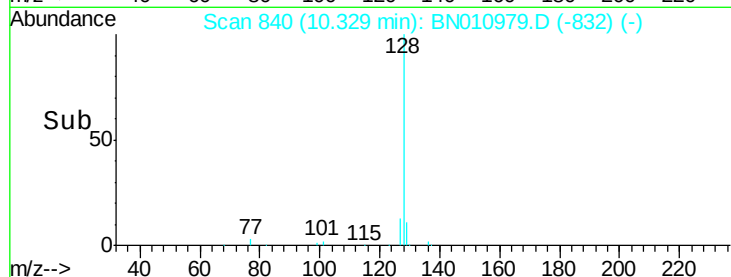
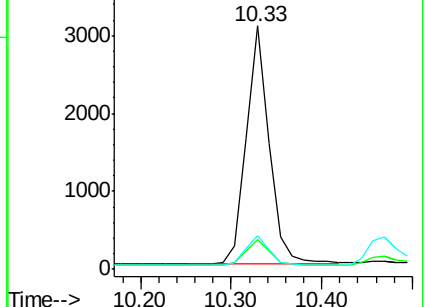
127 14.1 11.4 17.2



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: 0.255 ng

RT: 10.62 min Scan# 863

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

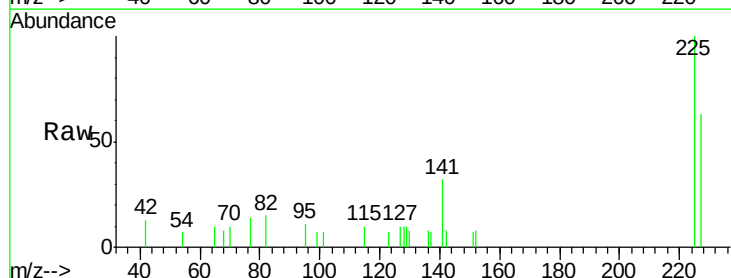
Tgt Ion:225 Resp: 1117

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

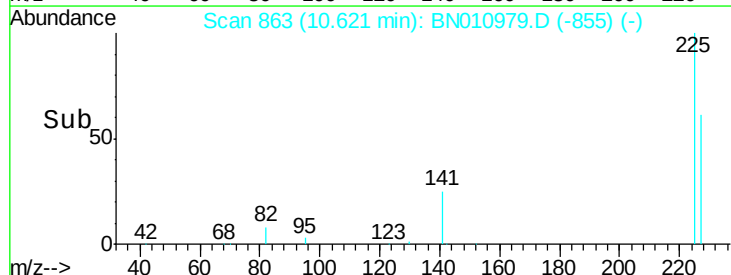
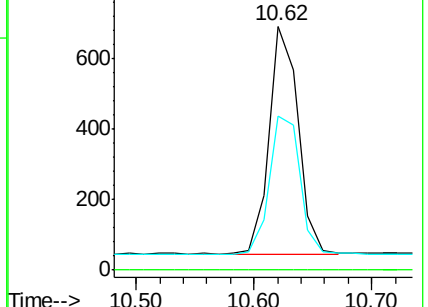
227 63.8 50.5 75.7

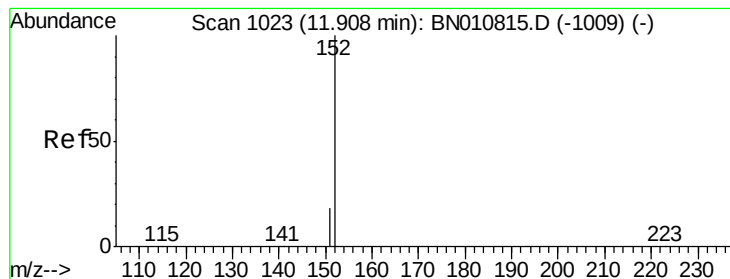


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.316 ng

RT: 11.88 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

Instrument :

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ClientSampleId :

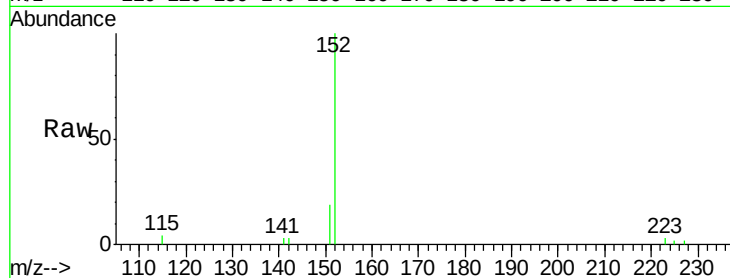
RE139D2-20200616MSD

Tot Ion:152 Resp: 3448

Ion Ratio Lower Upper

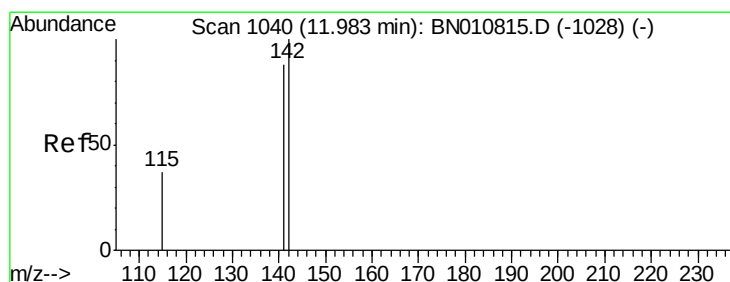
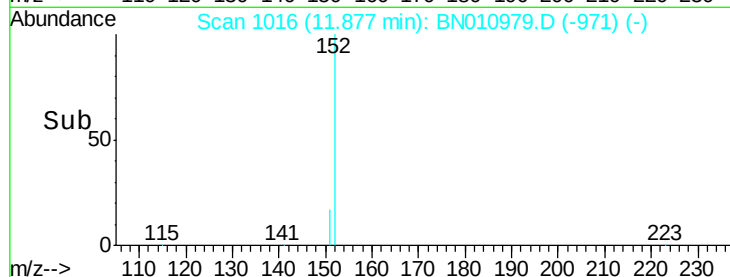
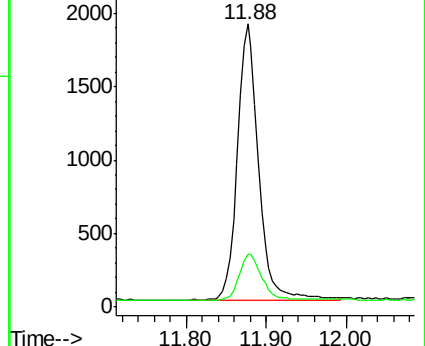
152 100

151 17.7 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.303 ng

RT: 11.95 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

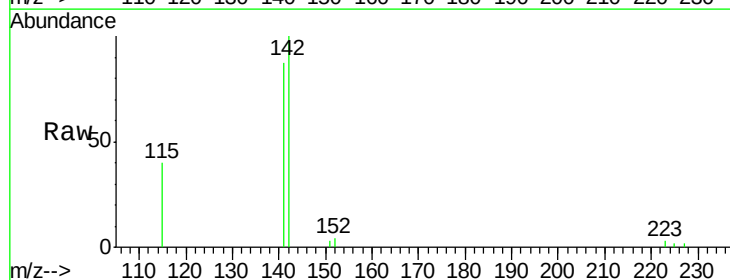
Tgt Ion:142 Resp: 3588

Ion Ratio Lower Upper

142 100

141 86.8 70.8 106.2

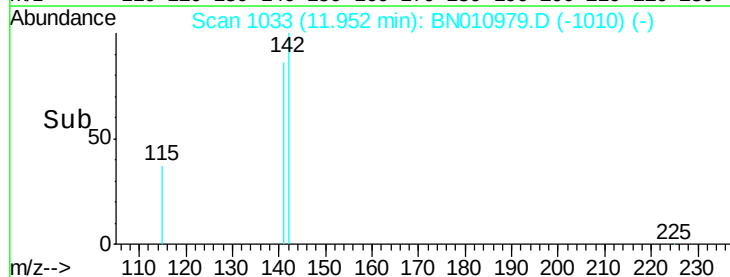
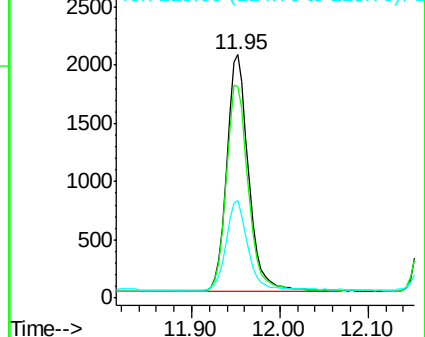
115 40.0 31.5 47.3

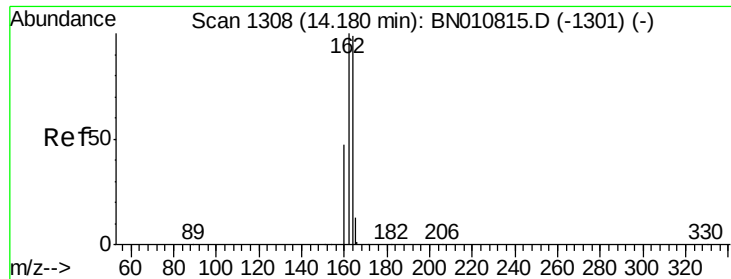


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.16 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BN010979.D

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RE139D2-20200616MSD

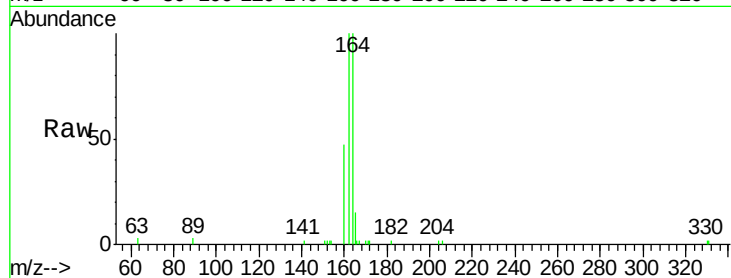
Tot Ion:164 Resp: 4550

Ion Ratio Lower Upper

164 100

162 99.7 81.0 121.6

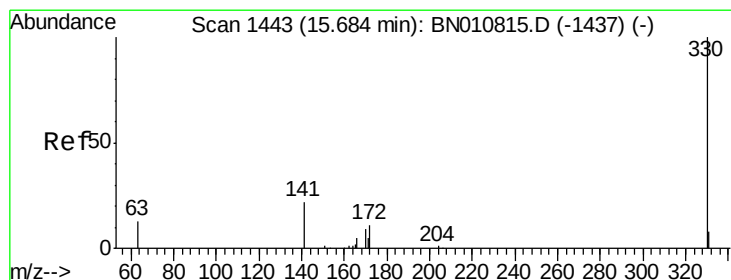
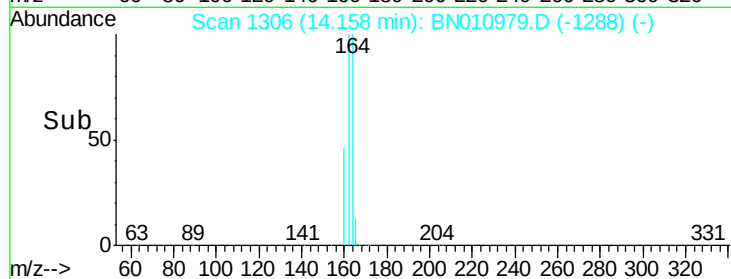
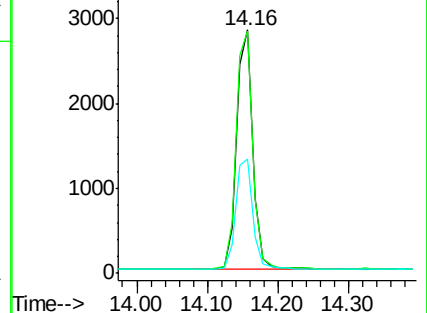
160 46.9 38.9 58.3



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: 0.367 ng

RT: 15.66 min Scan# 1441

Delta R.T. 0.01 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

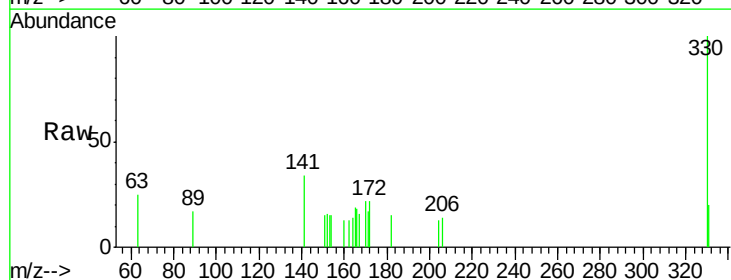
Tgt Ion:330 Resp: 597

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

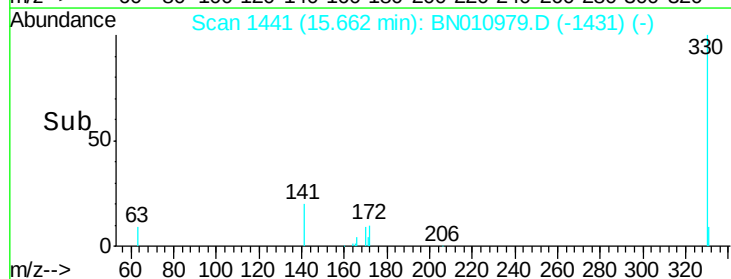
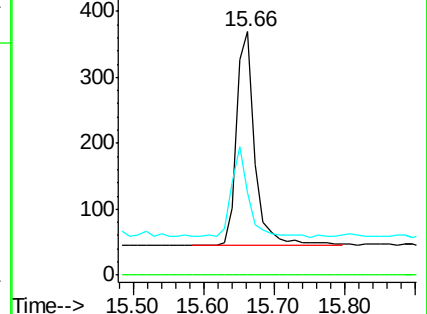
141 40.0 33.2 49.8

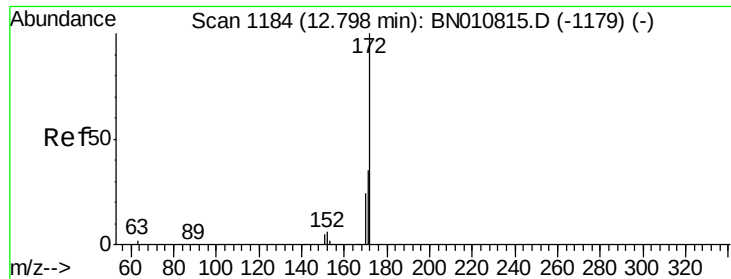


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

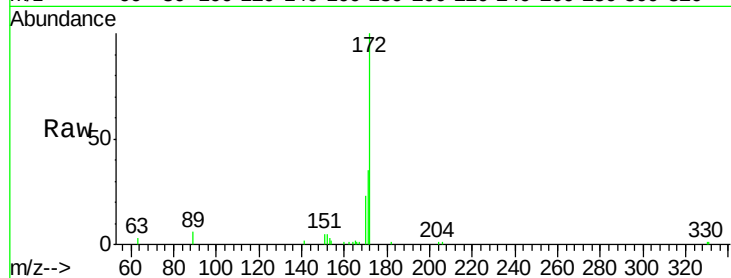




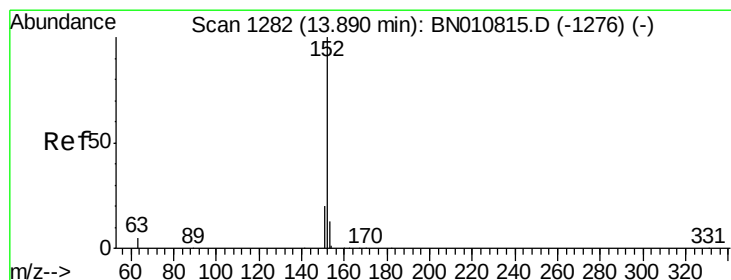
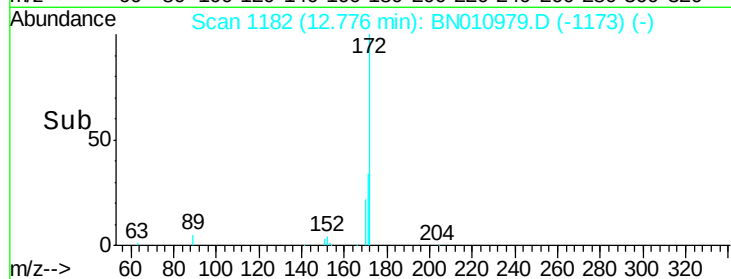
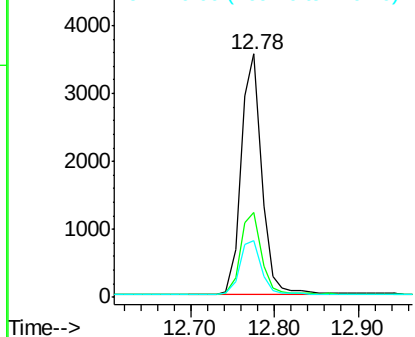
#15
2-Fluorobiphenyl
Concen: 0.336 ng
RT: 12.78 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BN010979.D
Acq: 19 Jun 2020 20:35

Instrument :
BNA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion:172 Resp: 6039
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 23.1 19.7 29.5

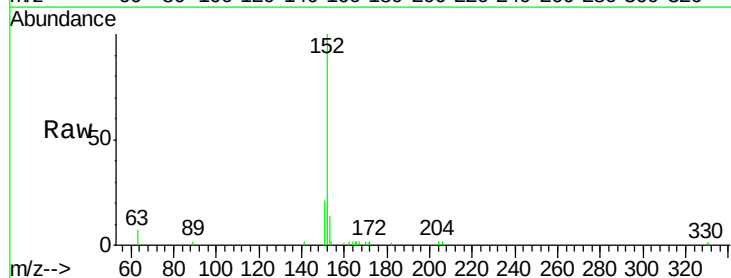


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

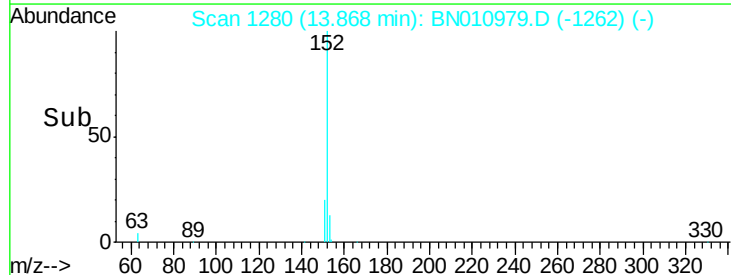
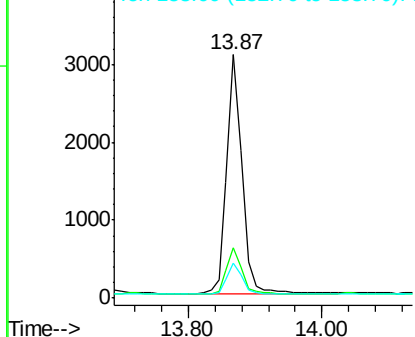


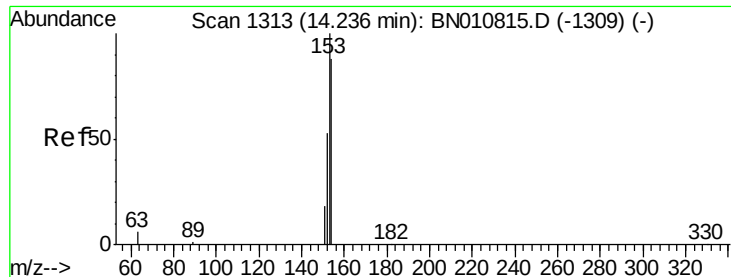
#16
Acenaphthylene
Concen: 0.263 ng
RT: 13.87 min Scan# 1280
Delta R.T. -0.00 min
Lab File: BN010979.D
Acq: 19 Jun 2020 20:35

Tgt Ion:152 Resp: 4910
Ion Ratio Lower Upper
152 100
151 20.1 15.6 23.4
153 13.5 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: 0.287 ng

RT: 14.21 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

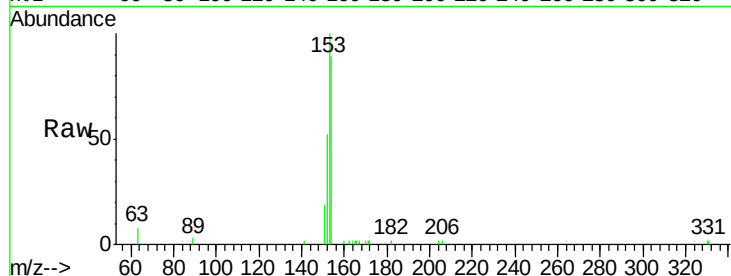
Tot Ion:154 Resp: 3644

Ion Ratio Lower Upper

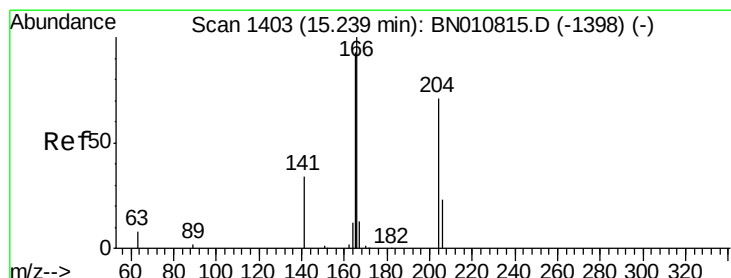
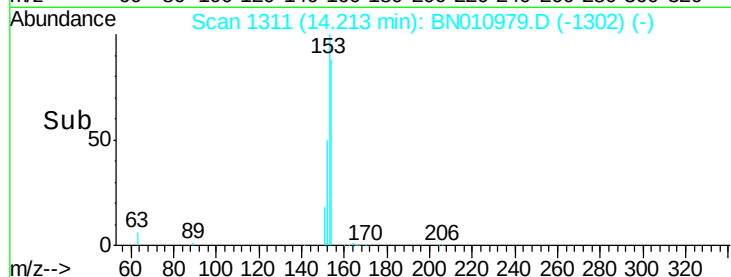
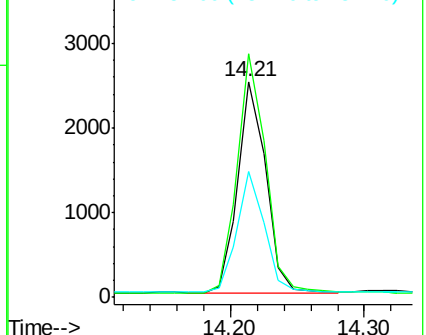
154 100

153 114.4 91.8 137.6

152 56.3 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: 0.256 ng

RT: 15.22 min Scan# 1401

Delta R.T. 0.01 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

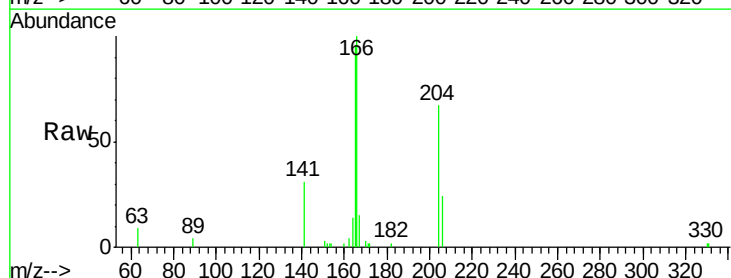
Tgt Ion:166 Resp: 4197

Ion Ratio Lower Upper

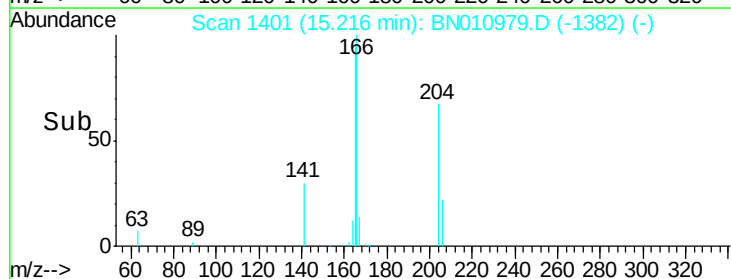
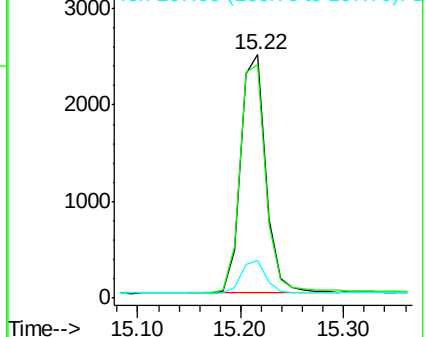
166 100

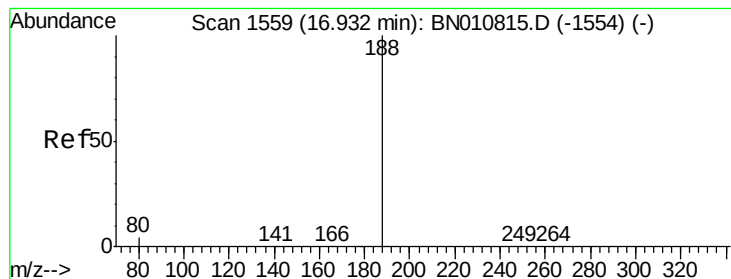
165 99.5 77.2 115.8

167 13.9 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: 16.90 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

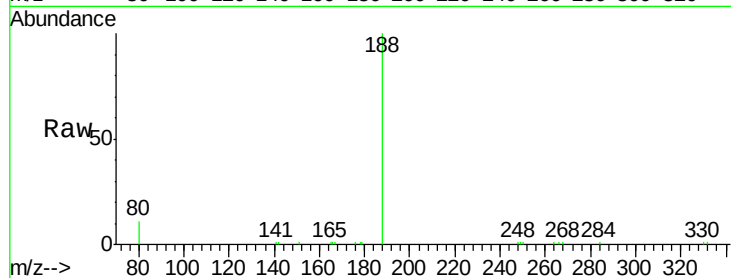
Tot Ion:188 Resp: 8144

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

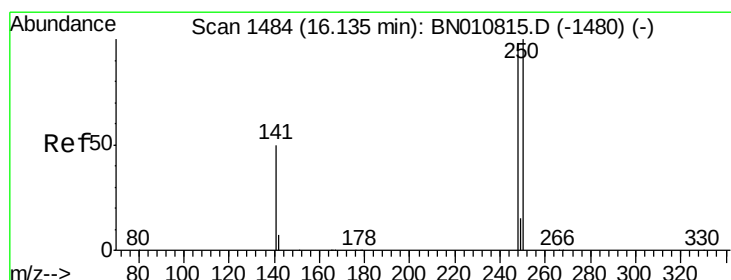
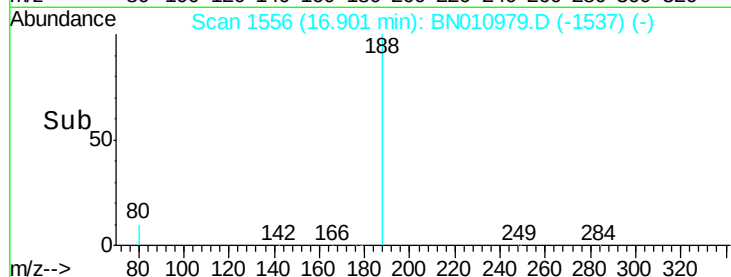
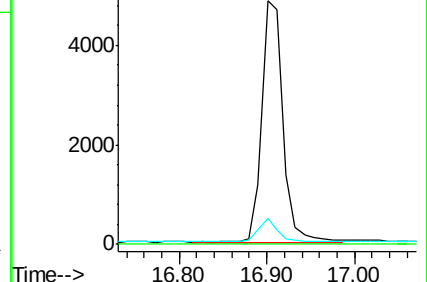
80 10.7 4.5 6.7#



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: 16.11 min Scan# 1482

Delta R.T. 0.01 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

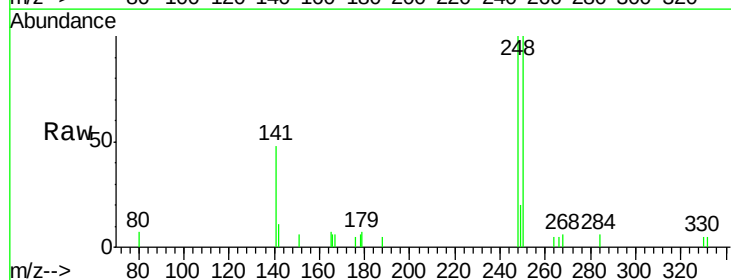
Tgt Ion:248 Resp: 1443

Ion Ratio Lower Upper

248 100

250 100.2 81.8 122.8

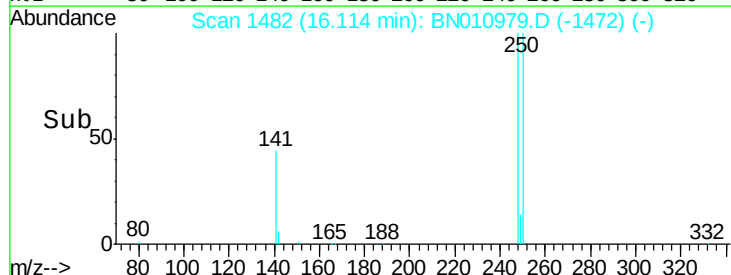
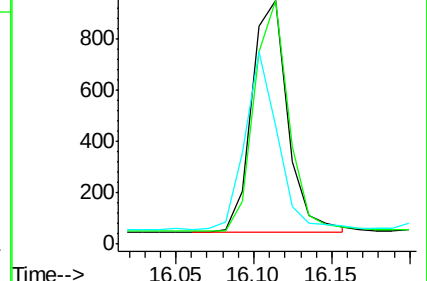
141 48.5 42.6 64.0

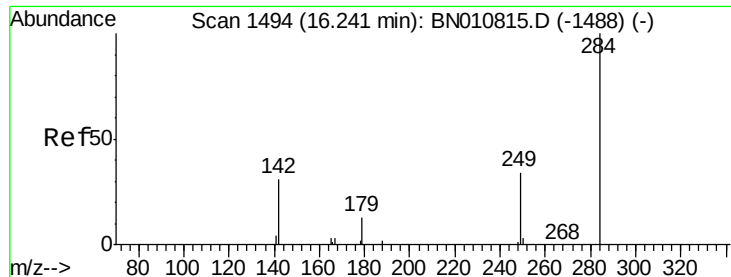


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.313 ng

RT: 16.22 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

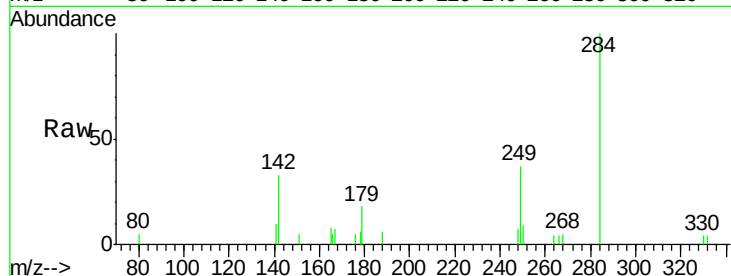
Tot Ion:284 Resp: 1596

Ion Ratio Lower Upper

284 100

142 38.5 31.0 46.4

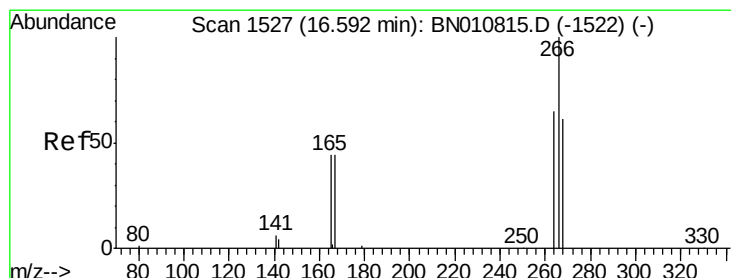
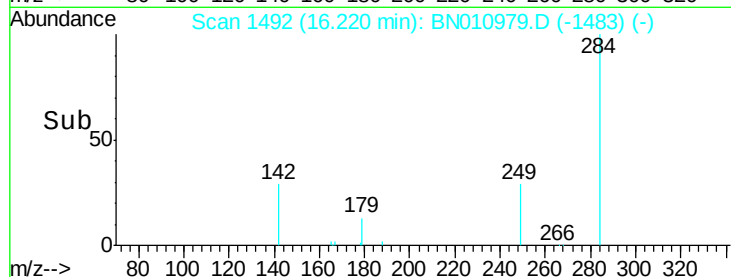
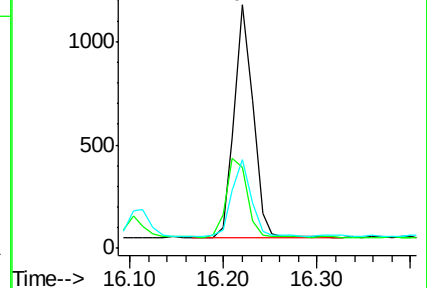
249 33.6 27.1 40.7



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: 0.686 ng

RT: 16.57 min Scan# 1525

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

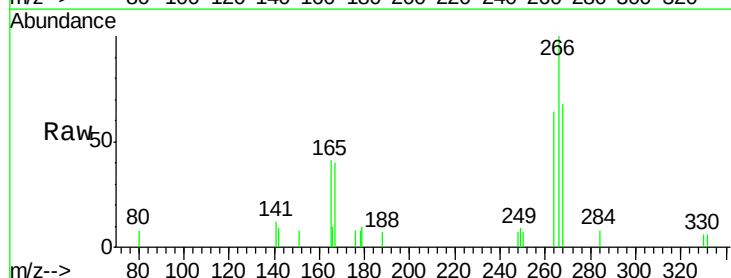
Tgt Ion:266 Resp: 1175

Ion Ratio Lower Upper

266 100

264 64.0 54.8 82.2

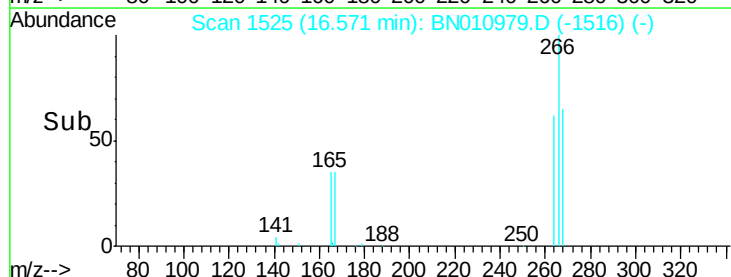
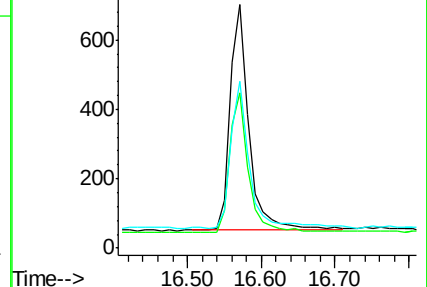
268 68.4 55.9 83.9

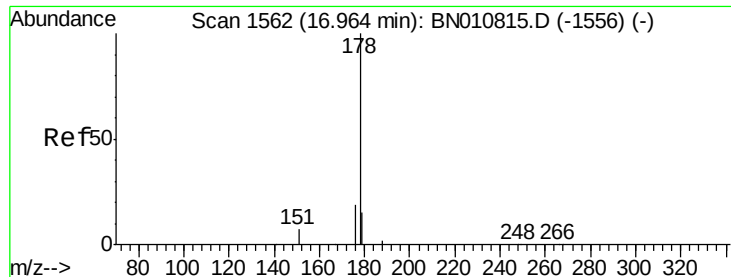


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.355 ng

RT: 16.94 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

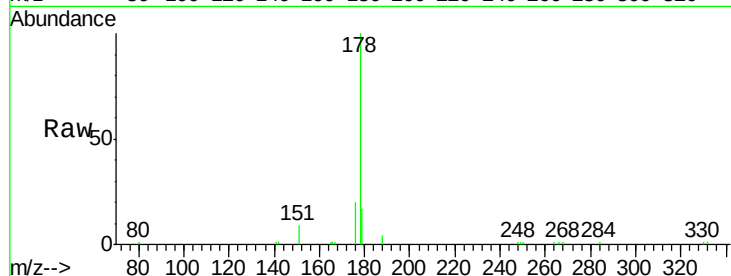
Tot Ion:178 Resp: 7902

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

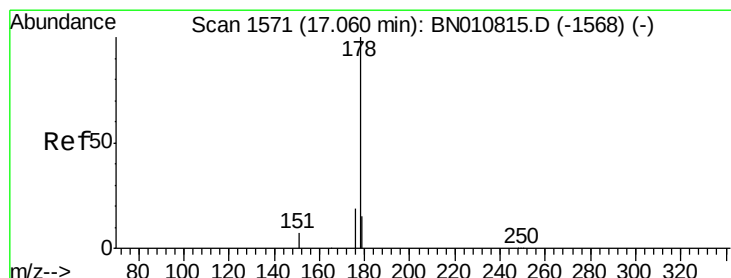
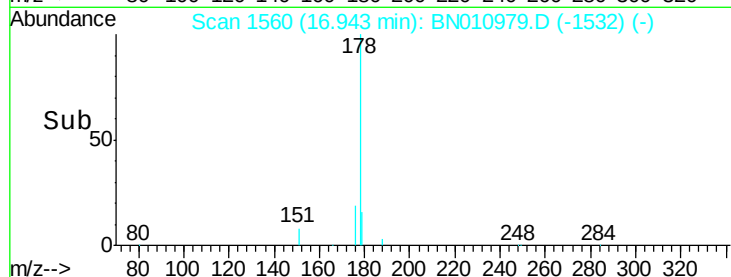
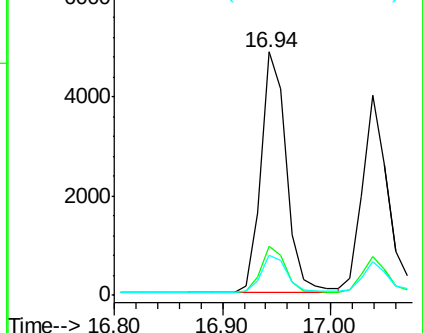
179 15.8 12.6 19.0



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: 0.353 ng

RT: 17.04 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

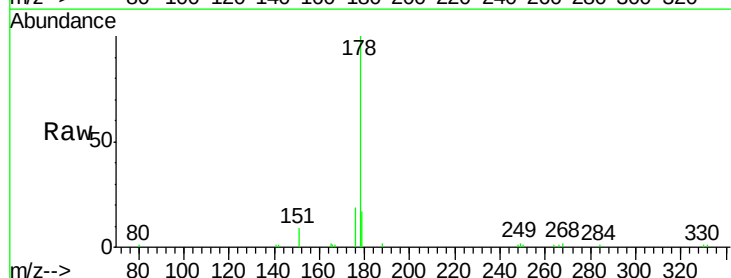
Tgt Ion:178 Resp: 6556

Ion Ratio Lower Upper

178 100

176 18.7 14.6 22.0

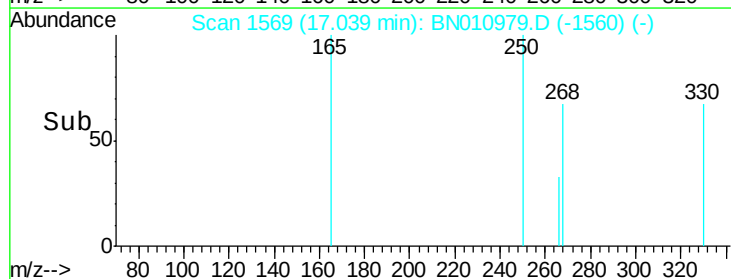
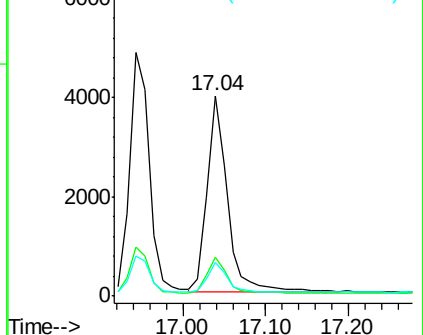
179 14.9 12.3 18.5

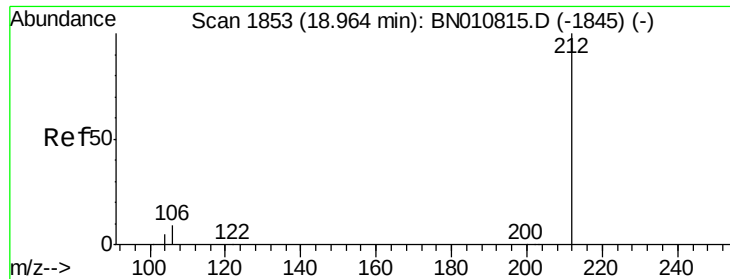


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.369 ng

RT: 18.94 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

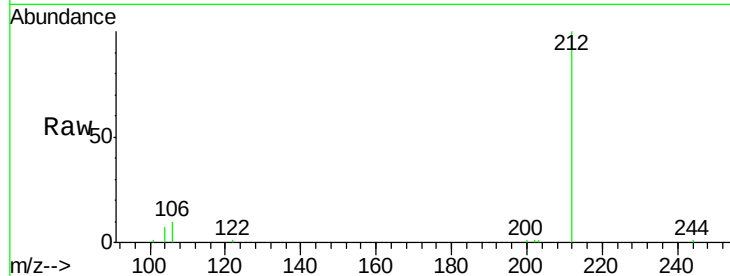
Tot Ion:212 Resp: 8288

Ion Ratio Lower Upper

212 100

106 9.4 6.6 10.0

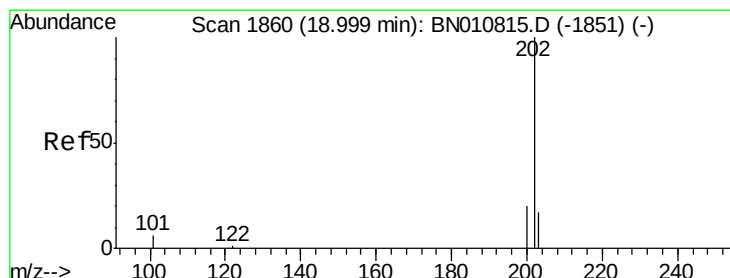
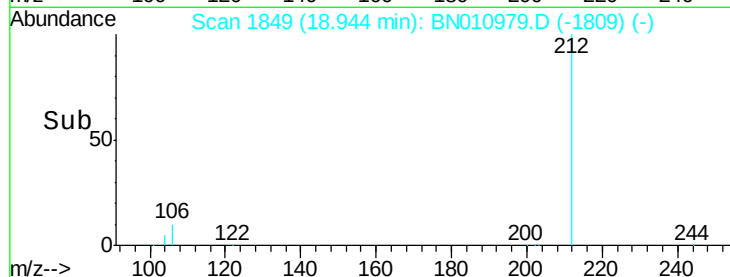
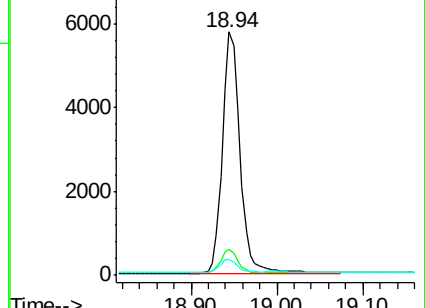
104 5.2 4.0 6.0



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: 0.368 ng

RT: 18.97 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

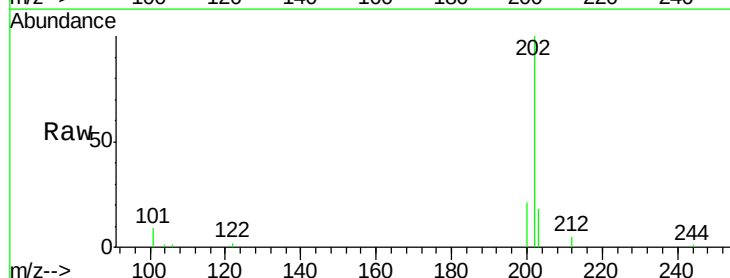
Tgt Ion:202 Resp: 9296

Ion Ratio Lower Upper

202 100

101 8.4 5.8 8.6

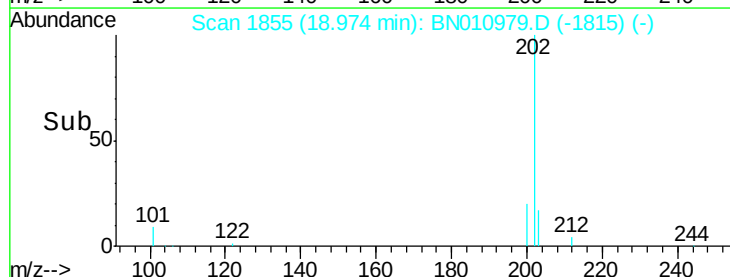
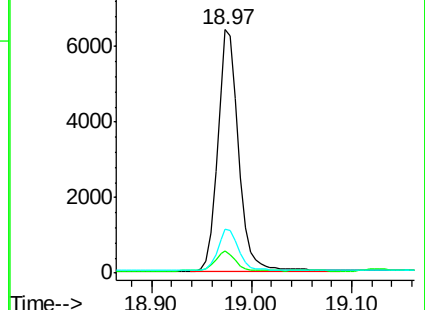
203 17.2 13.7 20.5

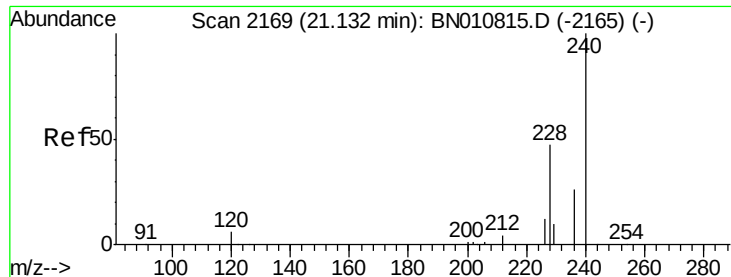


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

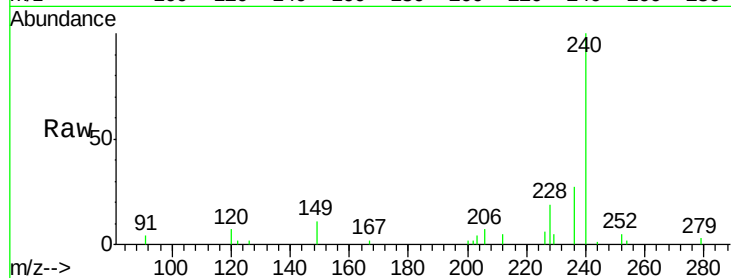




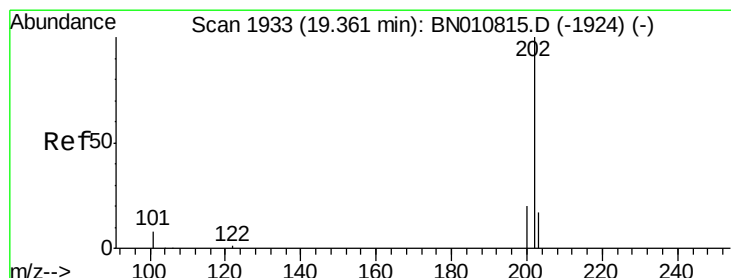
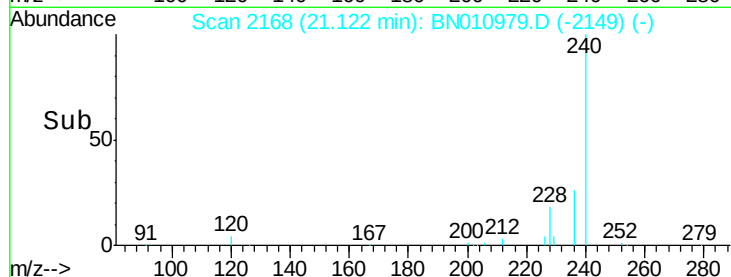
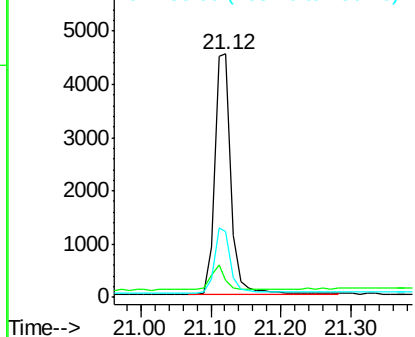
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.12 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: BN010979.D
 Acq: 19 Jun 2020 20:35

Instrument :
 BNA_N
 ClientSampleId :
 RE139D2-20200616MSD

Tot Ion:240 Resp: 7534
 Ion Ratio Lower Upper
 240 100
 120 7.0 7.5 11.3#
 236 27.2 22.3 33.5

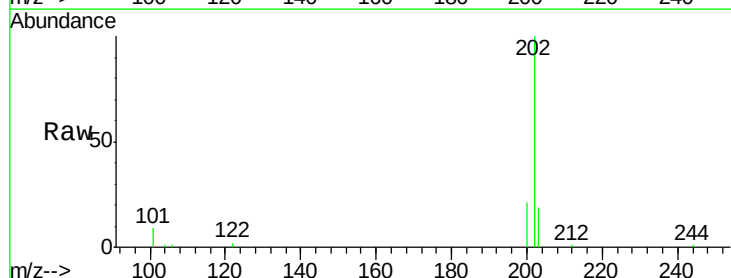


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

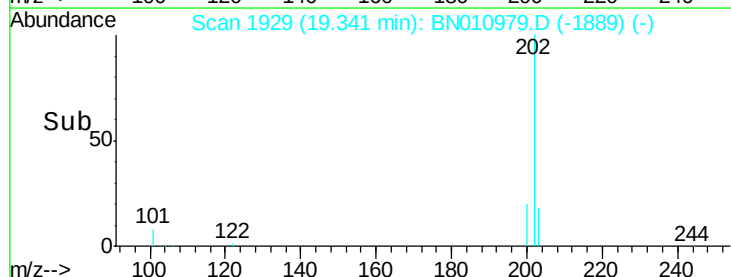
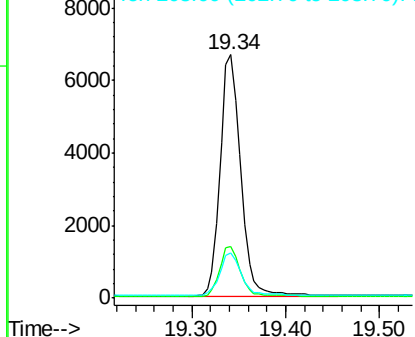


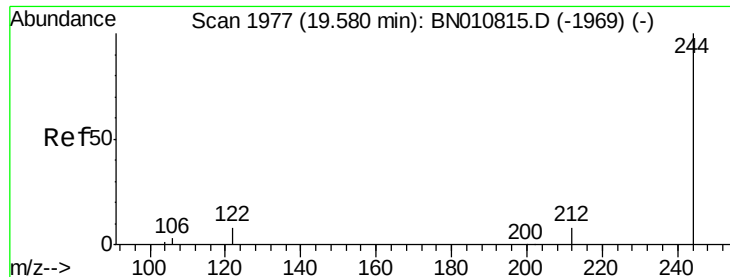
#28
 Pyrene
 Concen: 0.407 ng
 RT: 19.34 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: BN010979.D
 Acq: 19 Jun 2020 20:35

Tgt Ion:202 Resp: 10139
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.4 24.6
 203 18.3 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: 0.598 ng

RT: 19.56 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

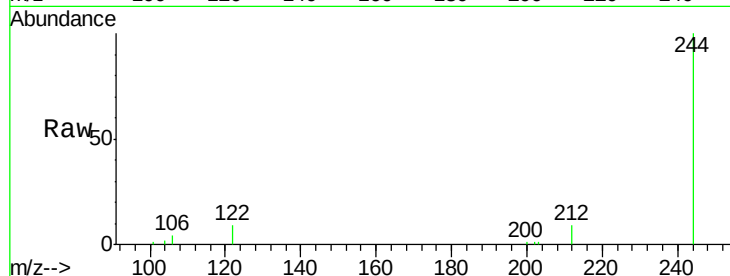
Tot Ion:244 Resp: 10545

Ion Ratio Lower Upper

244 100

212 8.7 7.4 11.2

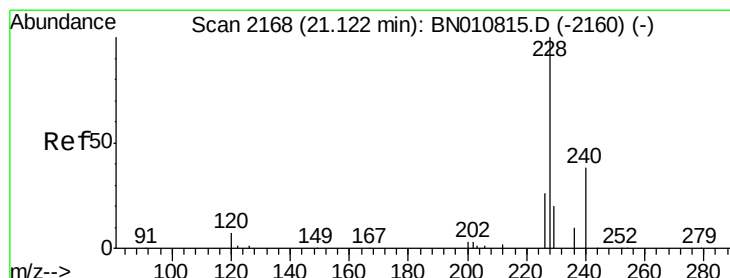
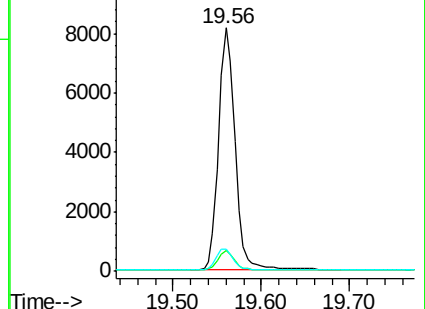
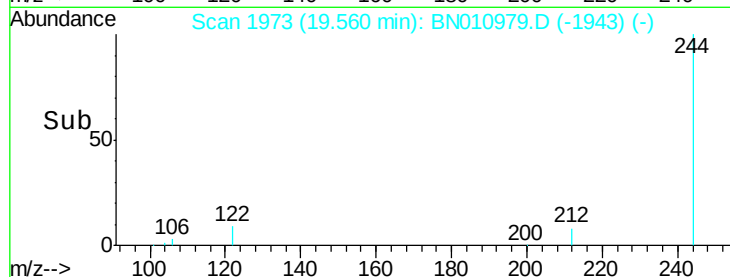
122 9.4 7.5 11.3



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: 0.402 ng

RT: 21.10 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

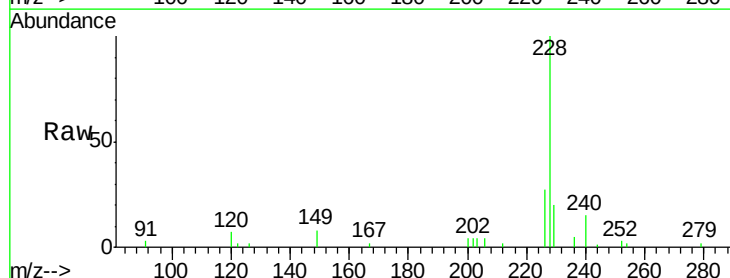
Tgt Ion:228 Resp: 8913

Ion Ratio Lower Upper

228 100

226 26.8 21.3 31.9

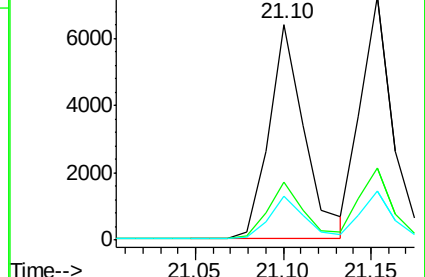
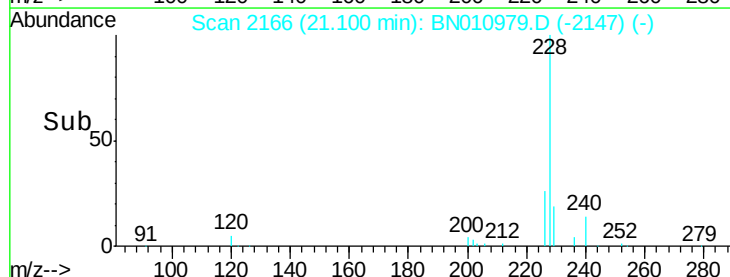
229 20.2 16.6 24.8

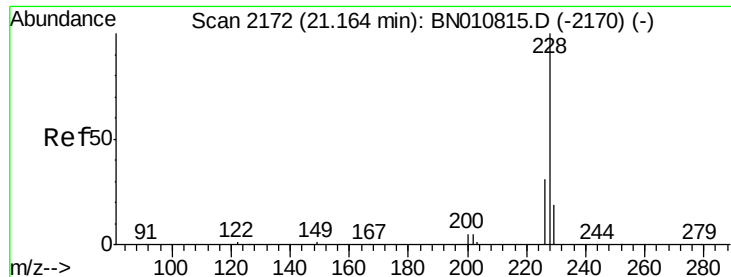


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

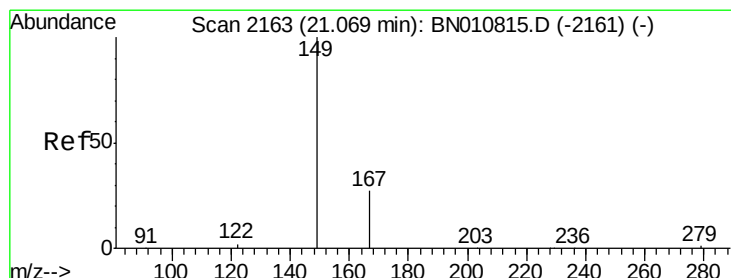
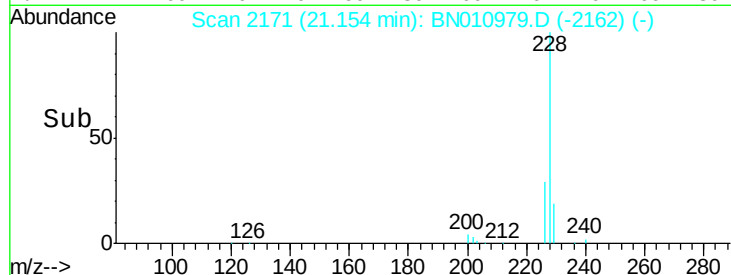
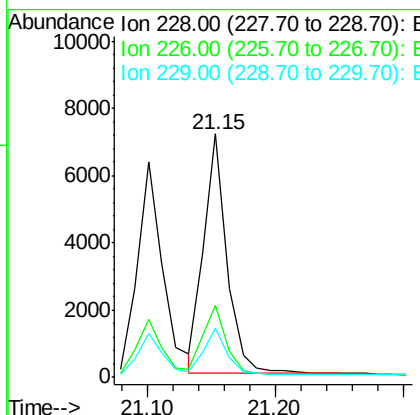
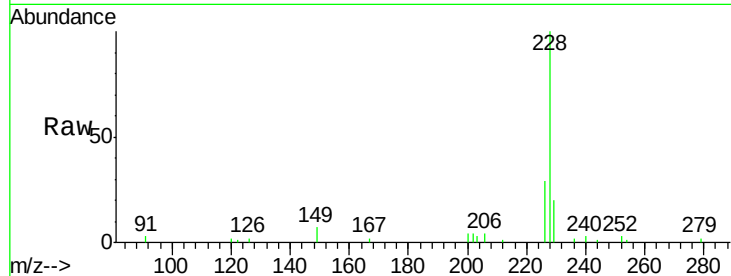




#31
Chrysene
Concen: 0.350 ng
RT: 21.15 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BN010979.D
Acq: 19 Jun 2020 20:35

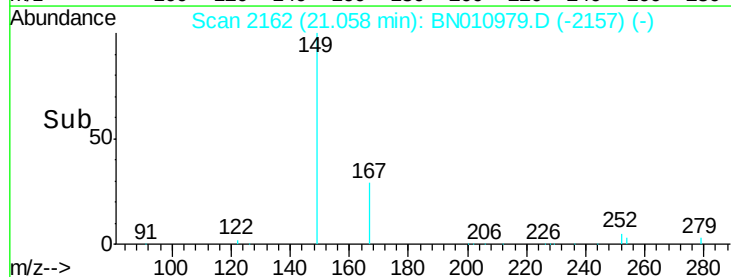
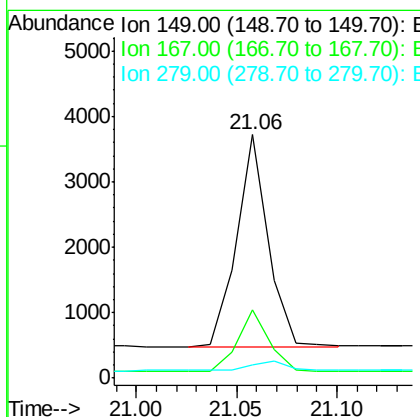
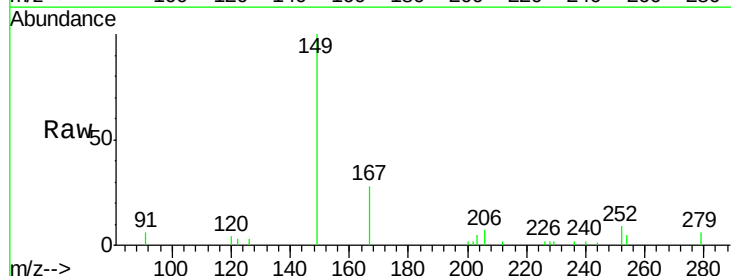
Instrument :
BNA_N
ClientSampleId :
RE139D2-20200616MSD

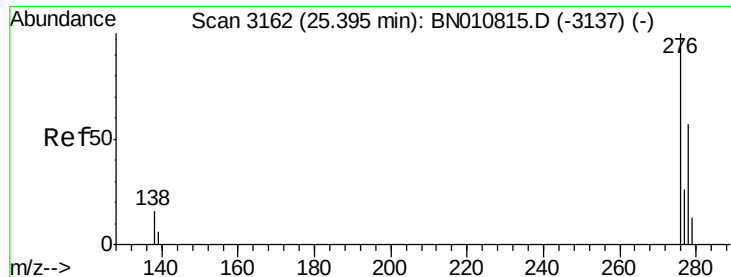
Tot Ion:228 Resp: 9042
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 19.9 16.1 24.1



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.483 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN010979.D
Acq: 19 Jun 2020 20:35

Tgt Ion:149 Resp: 3568
Ion Ratio Lower Upper
149 100
167 28.3 24.1 36.1
279 4.8 4.6 7.0





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.370 ng

RT: 25.36 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

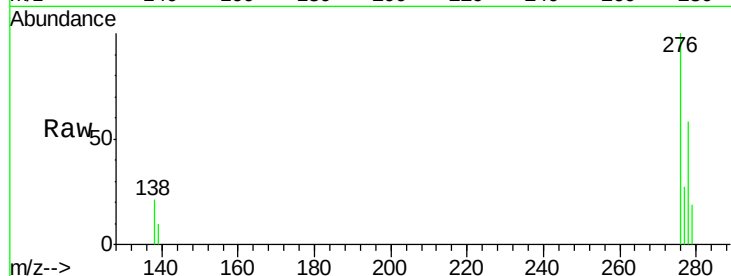
Tot Ion:276 Resp: 10670

Ion Ratio Lower Upper

276 100

138 19.5 13.0 19.6

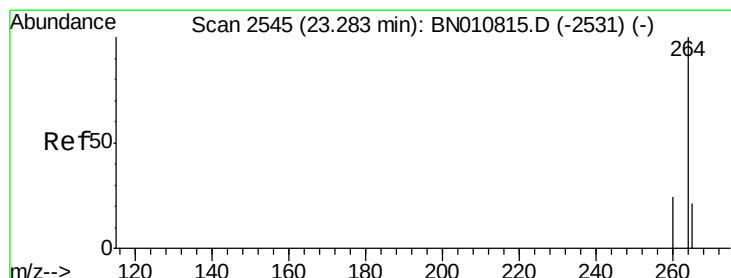
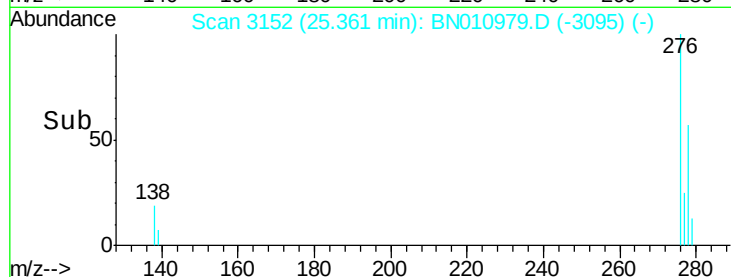
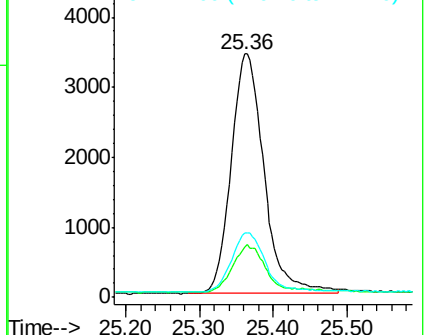
277 25.1 19.7 29.5



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: BN010979.D

Acq: 19 Jun 2020 20:35

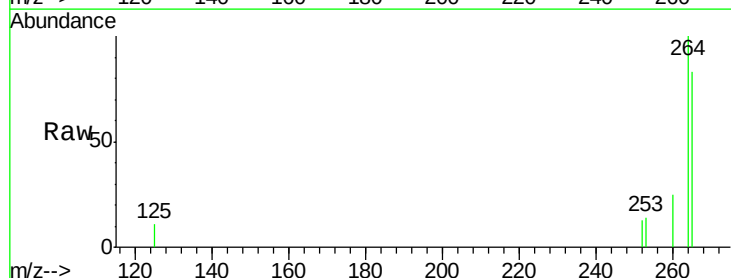
Tgt Ion:264 Resp: 7339

Ion Ratio Lower Upper

264 100

260 25.1 20.4 30.6

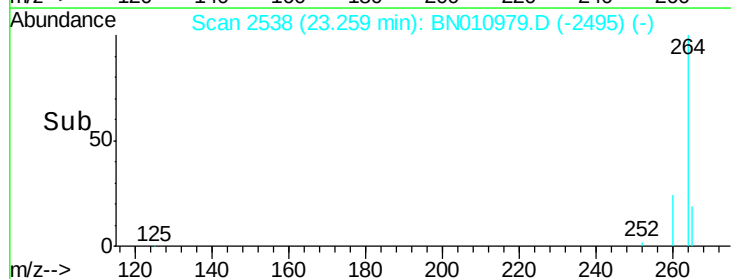
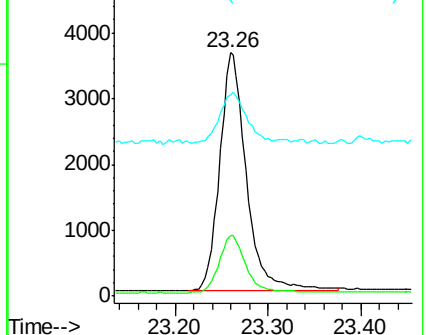
265 82.8 75.0 112.4

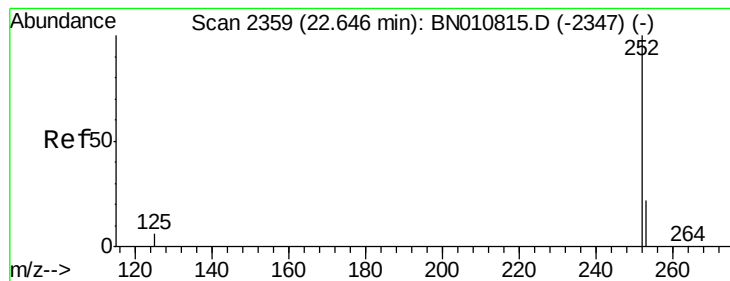


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.390 ng

RT: 22.63 min Scan# 2353

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

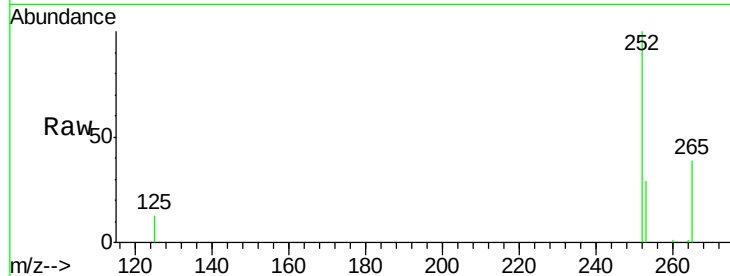
Tot Ion:252 Resp: 9732

Ion Ratio Lower Upper

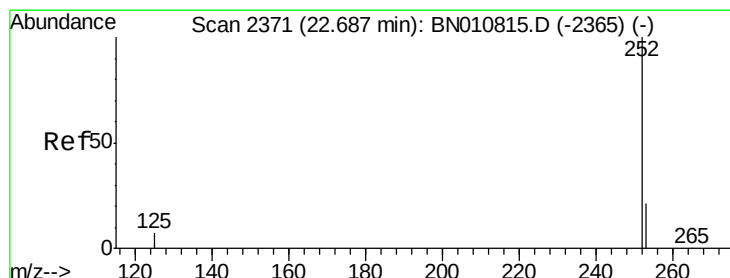
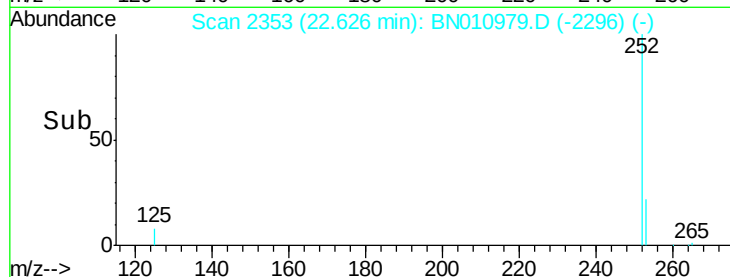
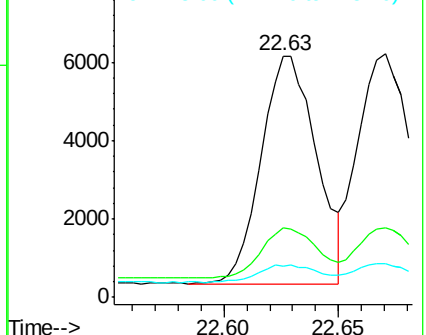
252 100

253 28.9 22.4 33.6

125 13.1 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: 0.381 ng

RT: 22.67 min Scan# 2366

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

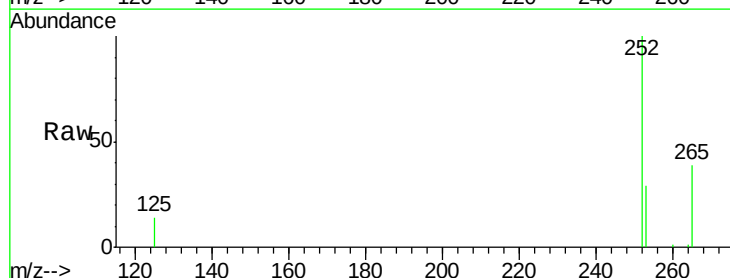
Tgt Ion:252 Resp: 10141

Ion Ratio Lower Upper

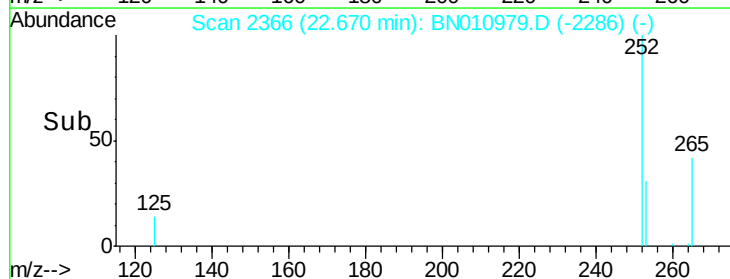
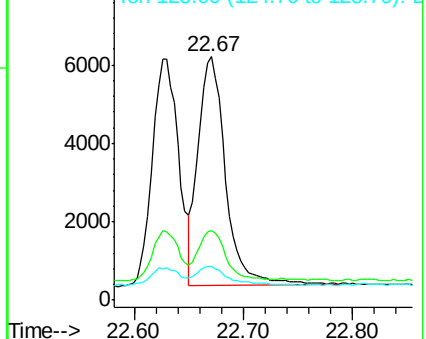
252 100

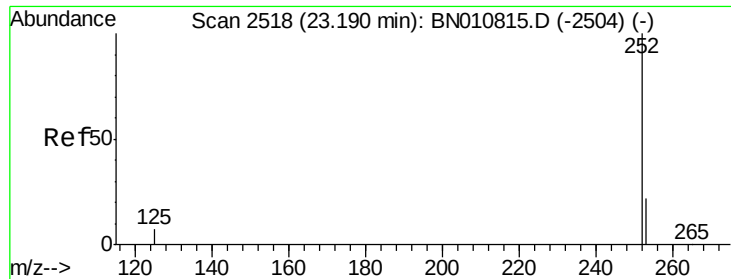
253 28.8 22.2 33.4

125 13.6 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: 0.355 ng

RT: 23.17 min Scan# 2511

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

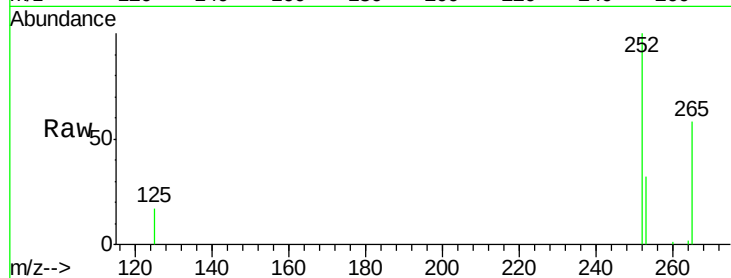
Tot Ion:252 Resp: 7589

Ion Ratio Lower Upper

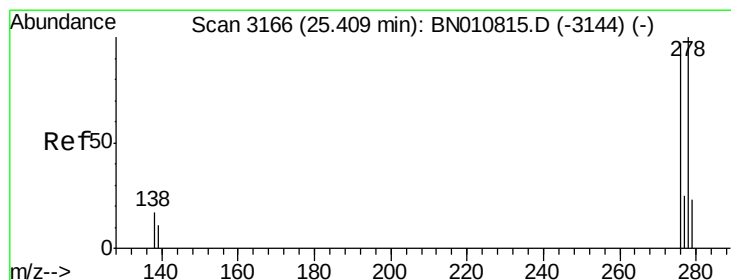
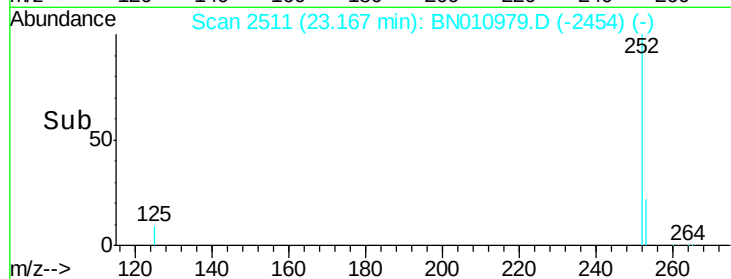
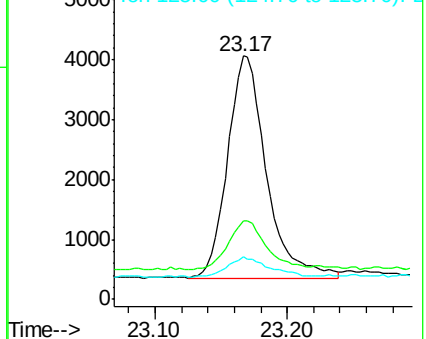
252 100

253 32.2 25.8 38.8

125 17.4 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: 0.368 ng

RT: 25.38 min Scan# 3157

Delta R.T. -0.00 min

Lab File: BN010979.D

Acq: 19 Jun 2020 20:35

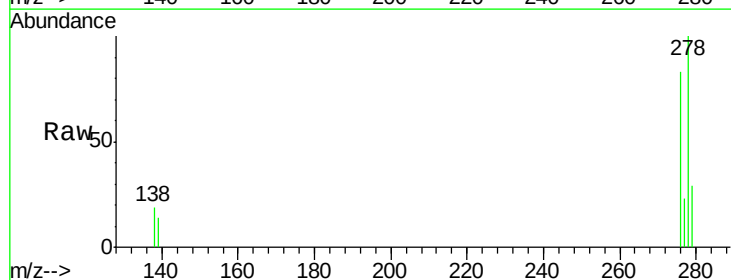
Tgt Ion:278 Resp: 8987

Ion Ratio Lower Upper

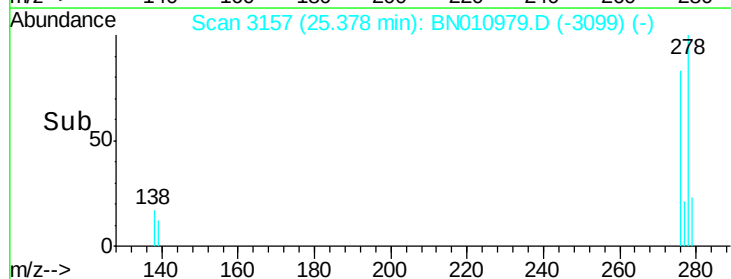
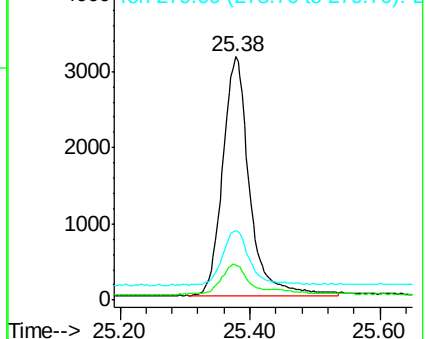
278 100

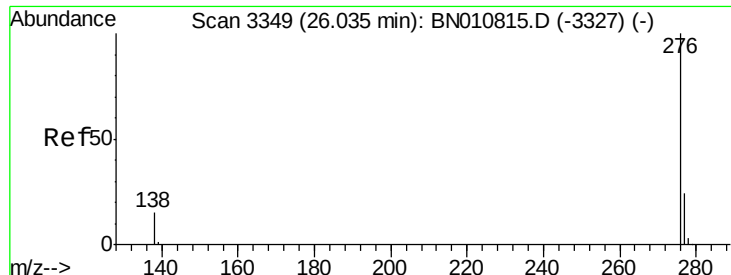
139 14.5 10.6 15.8

279 28.6 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: 0.383 ng

RT: 26.00 min Scan# 3338

Delta R.T. -0.00 min

Lab File: BN010979.D

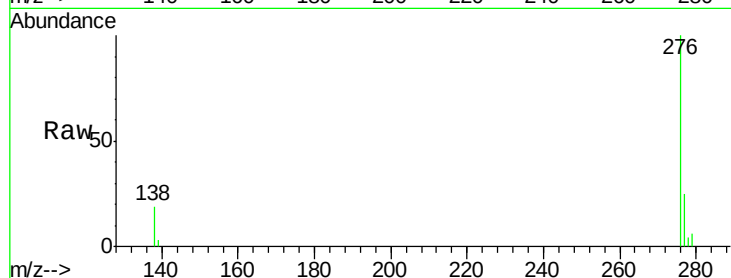
Acq: 19 Jun 2020 20:35

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD



Tot Ion: 276 Resp: 9760

Ion Ratio Lower Upper

276 100

277 25.3 20.5 30.7

138 18.6 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

