

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031720\
 Data File : BN010238.D
 Acq On : 17 Mar 2020 14:11
 Operator : CG/JU
 Sample : PB127524BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 17 16:29:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 02:17:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	3074	0.40	ng	0.00
7) Naphthalene-d8	10.39	136	10450	0.40	ng	0.00
13) Acenaphthene-d10	14.25	164	6261	0.40	ng	-0.01
19) Phenanthrene-d10	17.00	188	14531	0.40	ng	0.00
27) Chrysene-d12	21.19	240	14951	0.40	ng	-0.01
34) Perylene-d12	23.36	264	15678	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	2319	0.32	ng	0.00
5) Phenol-d6	6.81	99	2909	0.32	ng	0.00
8) Nitrobenzene-d5	8.76	82	2446	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	11.98	152	6541	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.74	330	750	0.33	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	9713	0.44	ng	0.00
25) Fluoranthene-d10	19.03	212	16775	0.37	ng	0.00
29) Terphenyl-d14	19.64	244	13321	0.39	ng	0.00

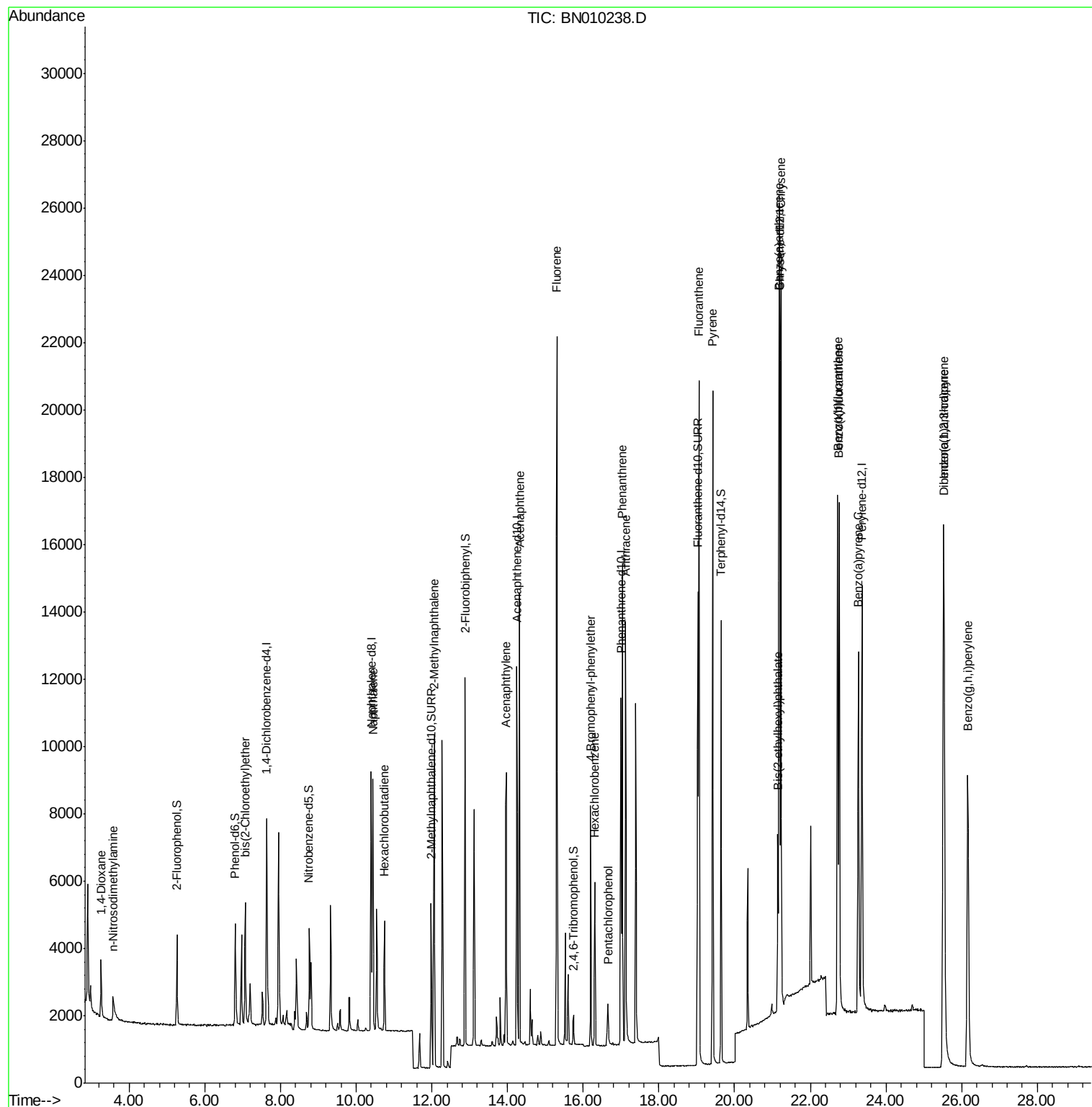
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.26	88	1166	0.389	ng	# 56
3) n-Nitrosodimethylamine	3.58	42	802	0.302	ng	# 32
6) bis(2-Chloroethyl)ether	7.07	93	2865	0.381	ng	95
9) Naphthalene	10.44	128	10382	0.397	ng	96
10) Hexachlorobutadiene	10.75	225	2540	0.421	ng	# 99
12) 2-Methylnaphthalene	12.06	142	7087	0.377	ng	95
16) Acenaphthylene	13.97	152	9654	0.334	ng	99
17) Acenaphthene	14.31	154	6699	0.382	ng	97
18) Fluorene	15.31	166	9071	0.379	ng	99
20) 4-Bromophenyl-phenylether	16.20	248	3372	0.404	ng	97
21) Hexachlorobenzene	16.31	284	3732	0.458	ng	99
22) Pentachlorophenol	16.66	266	799	0.318	ng	92
23) Phenanthrene	17.03	178	15692	0.407	ng	100
24) Anthracene	17.12	178	13058	0.340	ng	100
26) Fluoranthene	19.06	202	19007	0.389	ng	99
28) Pyrene	19.42	202	18820	0.377	ng	99
30) Benzo(a)anthracene	21.17	228	17412	0.343	ng	99
31) Chrysene	21.23	228	20672	0.413	ng	97
32) Bis(2-ethylhexyl)phthalate	21.14	149	4287	0.198	ng	# 95
33) Indeno(1,2,3-cd)pyrene	25.52	276	21553	0.363	ng	98
35) Benzo(b)fluoranthene	22.72	252	19751	0.410	ng	98
36) Benzo(k)fluoranthene	22.76	252	19860	0.408	ng	99
37) Benzo(a)pyrene	23.27	252	16485	0.362	ng	99
38) Dibenzo(a,h)anthracene	25.54	278	17905	0.392	ng	98
39) Benzo(g,h,i)perylene	26.16	276	18322	0.402	ng	98

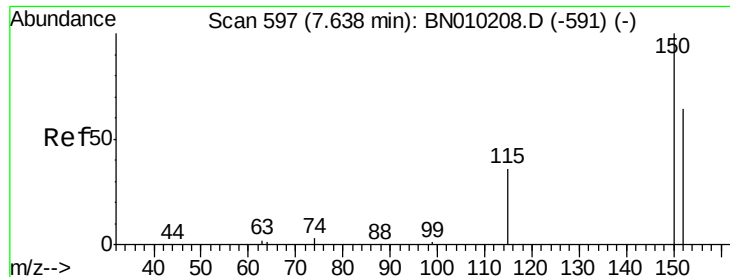
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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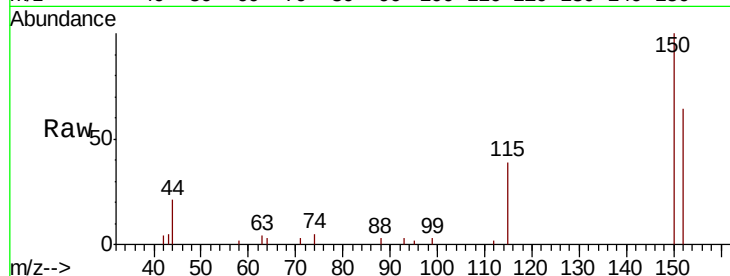


#1

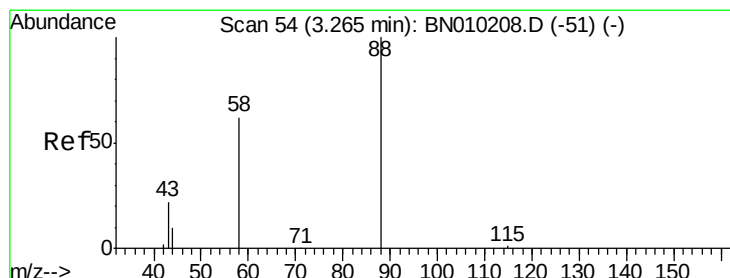
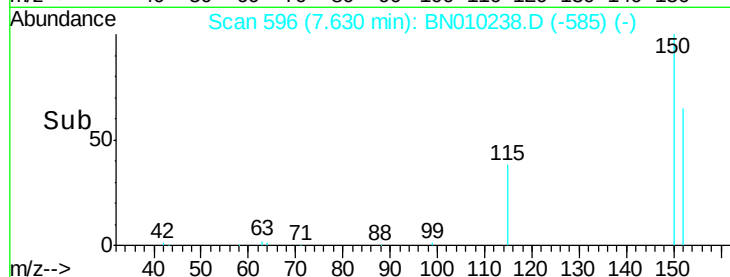
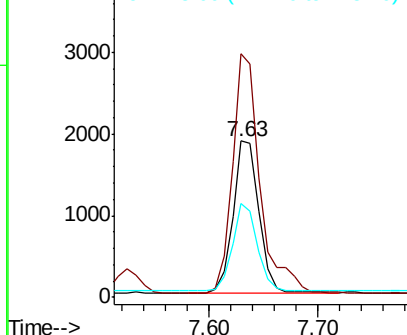
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 596
Delta R.T. -0.01 min
Lab File: BN010238.D
Acq: 17 Mar 2020 14:11

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 3074
Ion Ratio Lower Upper
152 100
150 156.1 119.5 179.3
115 60.4 50.9 76.3



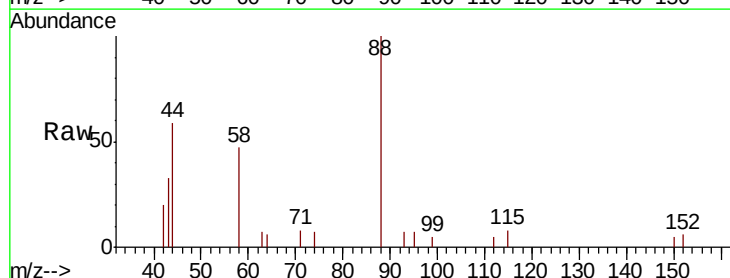
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



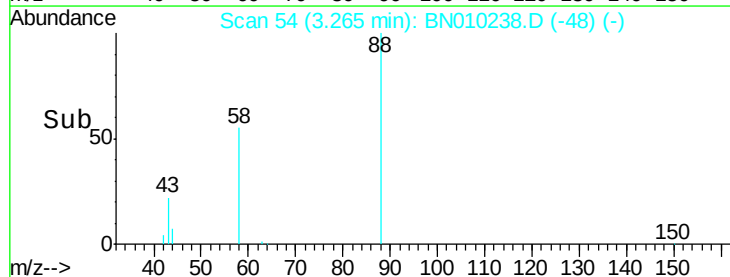
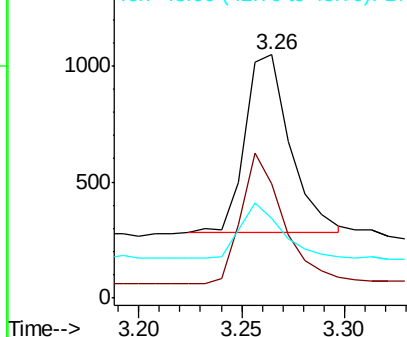
#2

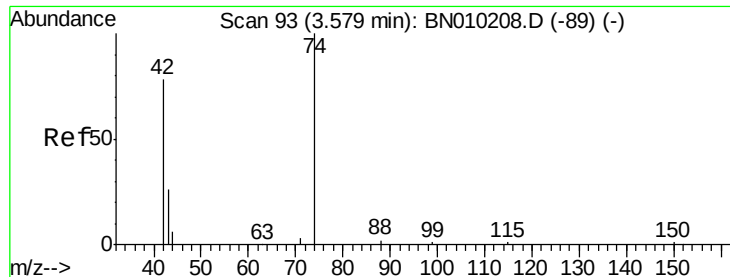
1,4-Dioxane
Concen: 0.389 ng
RT: 3.26 min Scan# 54
Delta R.T. 0.00 min
Lab File: BN010238.D
Acq: 17 Mar 2020 14:11

Tgt Ion: 88 Resp: 1166
Ion Ratio Lower Upper
88 100
58 69.1 97.8 146.8#
43 28.6 45.1 67.7#



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: 0.302 ng

RT: 3.58 min Scan# 93

Delta R.T. 0.00 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

Instrument :

BNA_N

ClientSampleId :

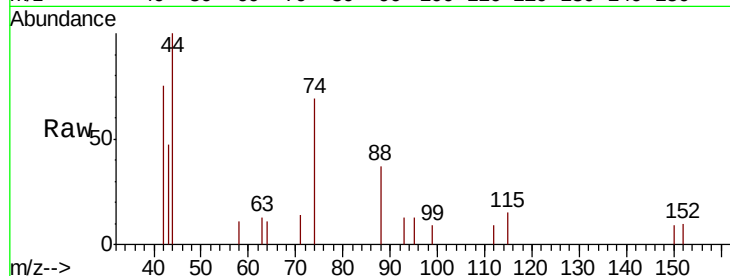
Tot Ion: 42 Resp: 802

Ion Ratio Lower Upper

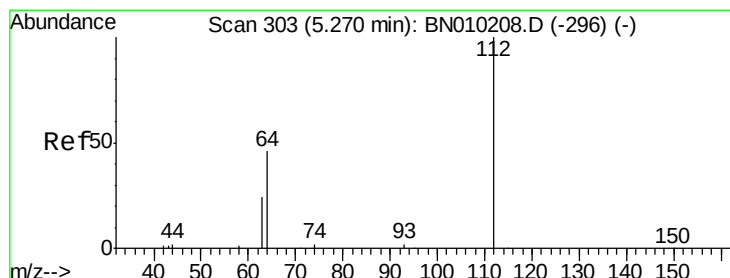
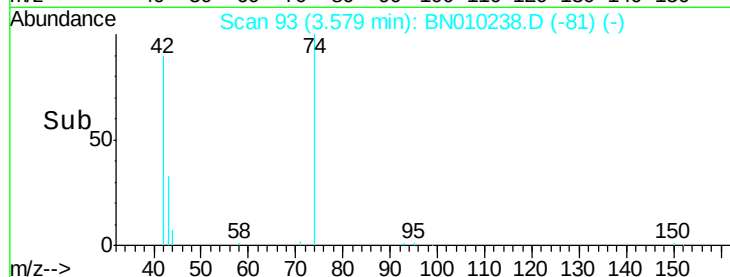
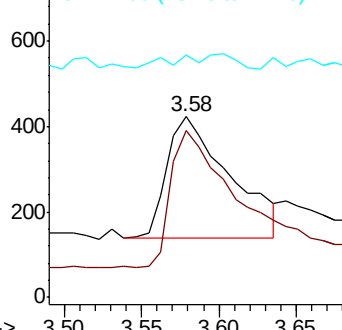
42 100

74 119.7 51.2 76.8#

44 3.1 2.6 4.0



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: 0.322 ng

RT: 5.26 min Scan# 302

Delta R.T. -0.01 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

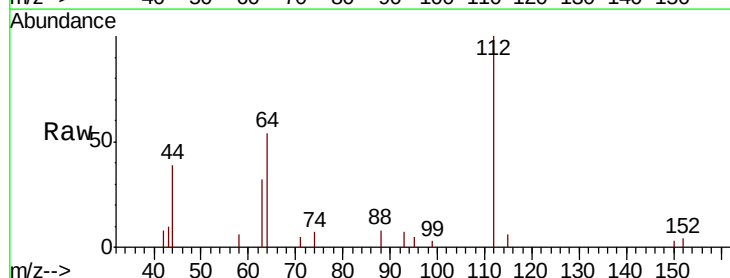
Tgt Ion: 112 Resp: 2319

Ion Ratio Lower Upper

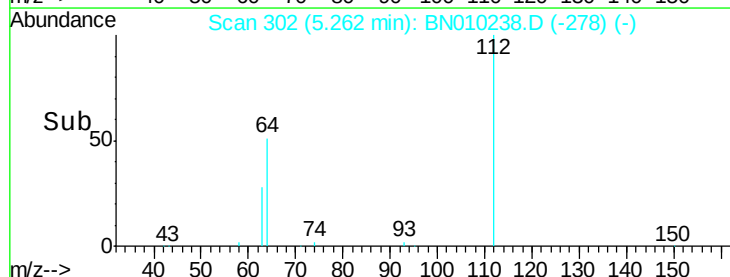
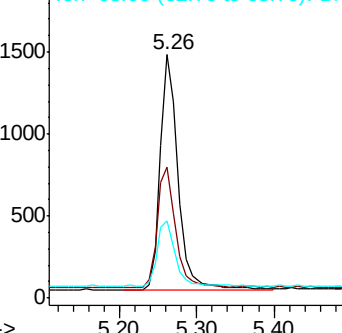
112 100

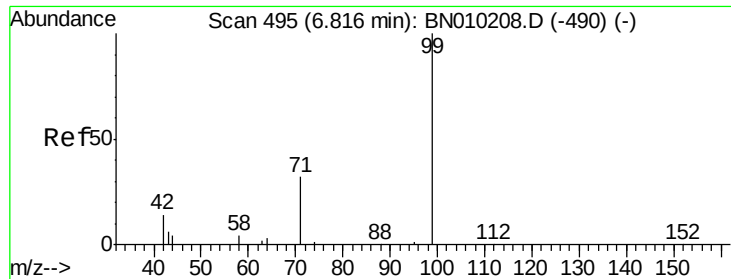
64 52.4 42.6 63.8

63 29.5 23.6 35.4



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: 0.323 ng

RT: 6.81 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

Instrument :

BNA_N

ClientSampled :

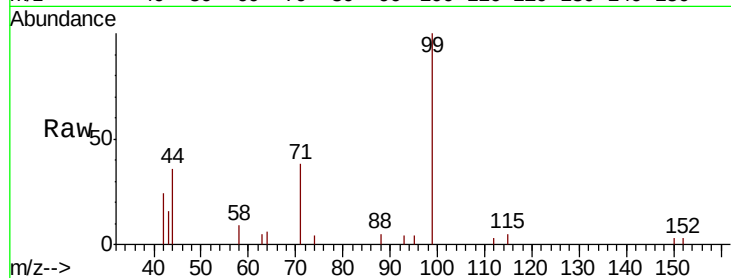
Tot Ion: 99 Resp: 2909

Ion Ratio Lower Upper

99 100

42 19.7 12.0 18.0#

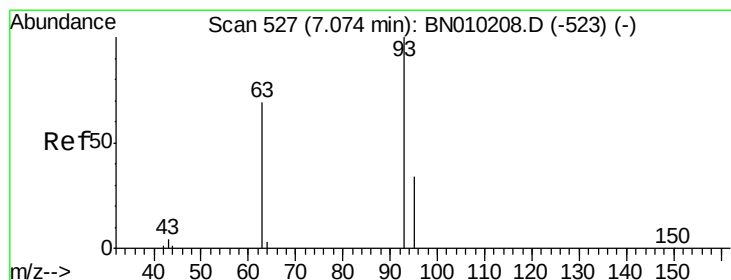
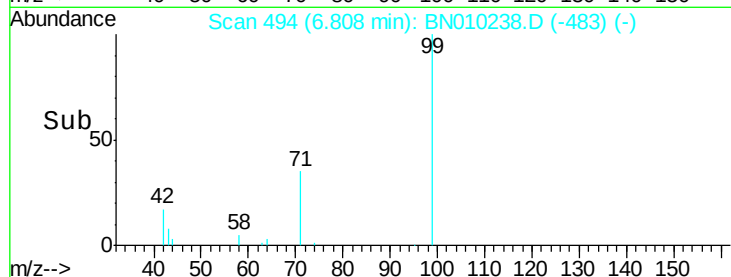
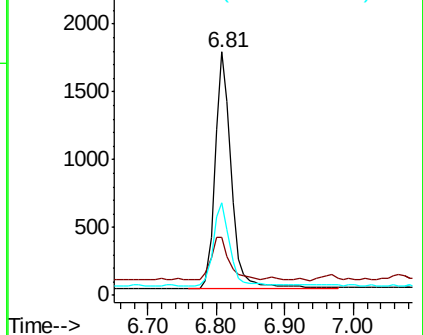
71 35.5 22.6 33.8#



Abundance Ion 99.00 (98.70 to 99.70): BN010238.D (-490) (-)

Ion 42.00 (41.70 to 42.70): BN010238.D (-490) (-)

Ion 71.00 (70.70 to 71.70): BN010238.D (-490) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.381 ng

RT: 7.07 min Scan# 526

Delta R.T. -0.01 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

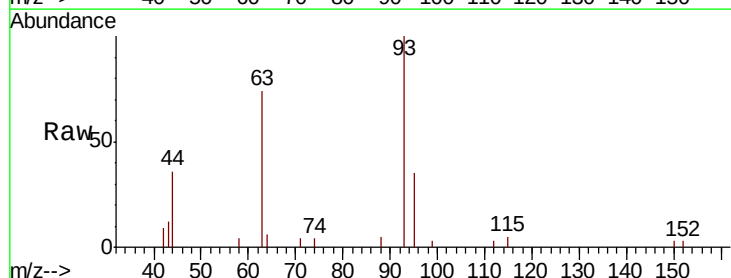
Tgt Ion: 93 Resp: 2865

Ion Ratio Lower Upper

93 100

63 71.5 53.4 80.0

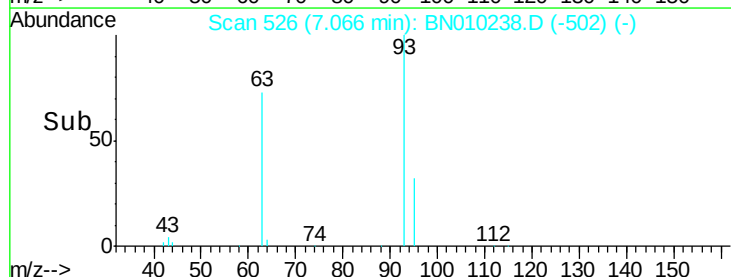
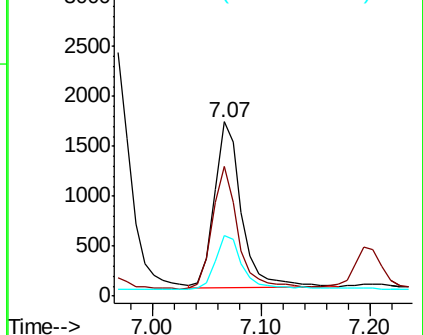
95 33.4 28.6 42.8

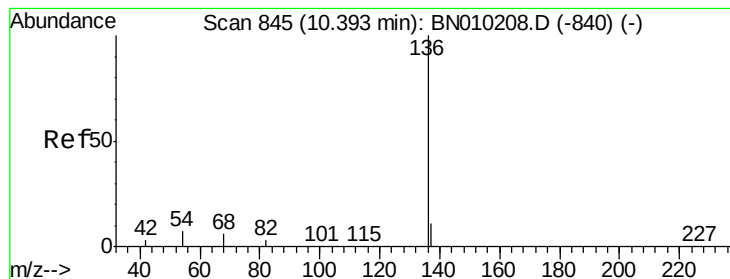


Abundance Ion 93.00 (92.70 to 93.70): BN010238.D (-523) (-)

Ion 63.00 (62.70 to 63.70): BN010238.D (-523) (-)

Ion 95.00 (94.70 to 95.70): BN010238.D (-523) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.39 min Scan# 845

Delta R.T. -0.00 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 10450

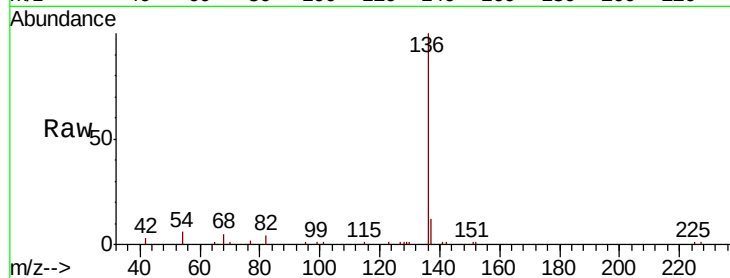
Ion Ratio Lower Upper

136 100

137 12.0 10.6 15.8

54 5.6 9.5 14.3#

68 5.0 9.7 14.5#

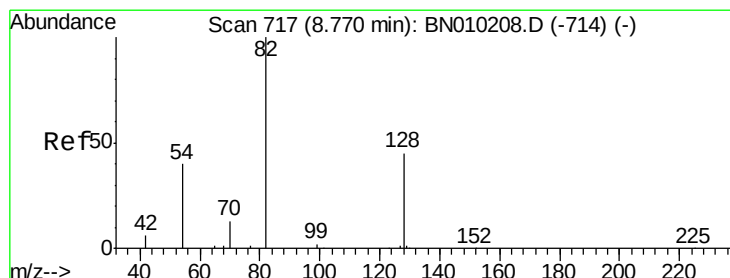
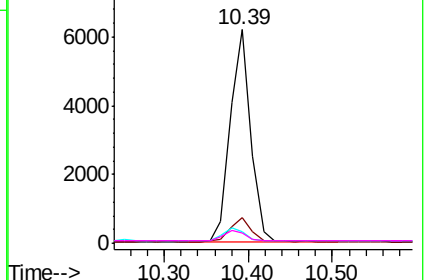
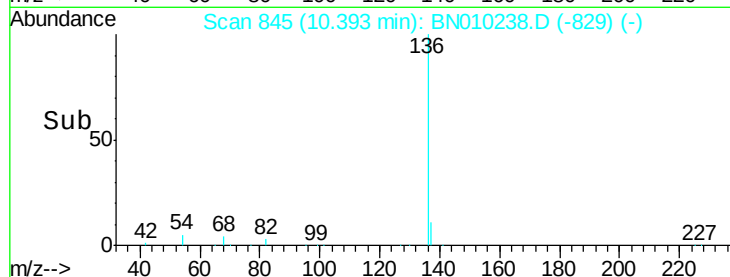


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.390 ng

RT: 8.76 min Scan# 716

Delta R.T. -0.01 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

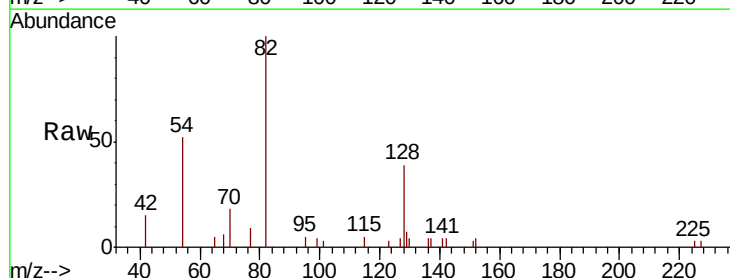
Tgt Ion: 82 Resp: 2446

Ion Ratio Lower Upper

82 100

128 39.0 35.0 52.6

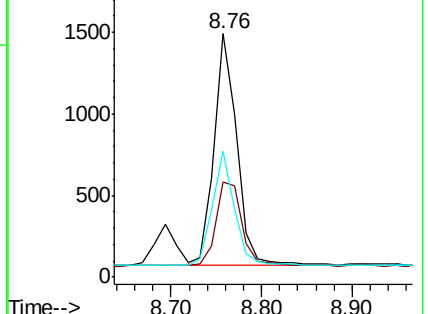
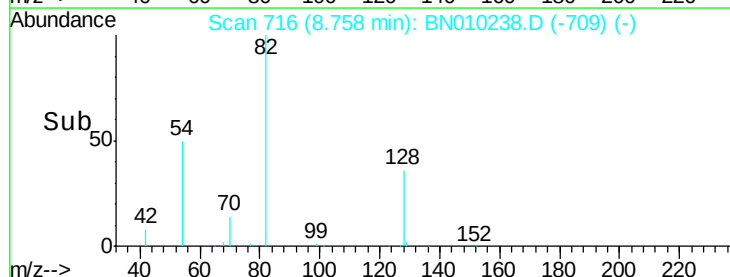
54 51.6 37.0 55.4

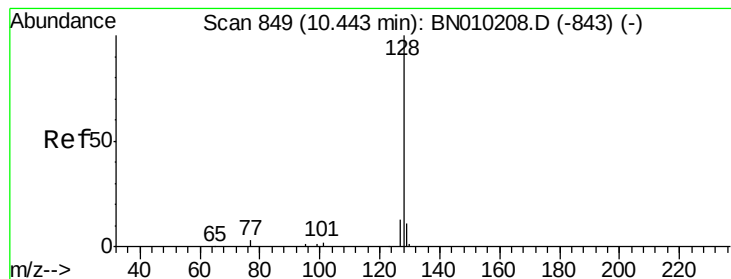


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.397 ng

RT: 10.44 min Scan# 849

Delta R.T. -0.00 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

Instrument :

BNA_N

ClientSampleId :

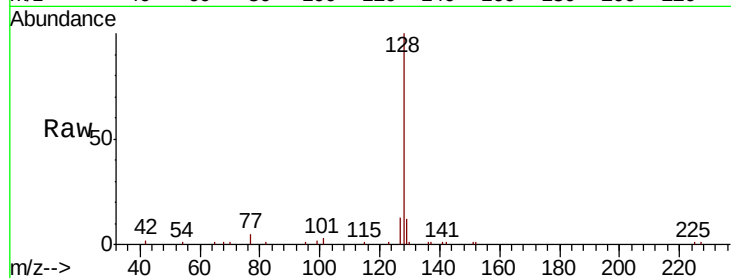
Tot Ion:128 Resp: 10382

Ion Ratio Lower Upper

128 100

129 11.6 10.5 15.7

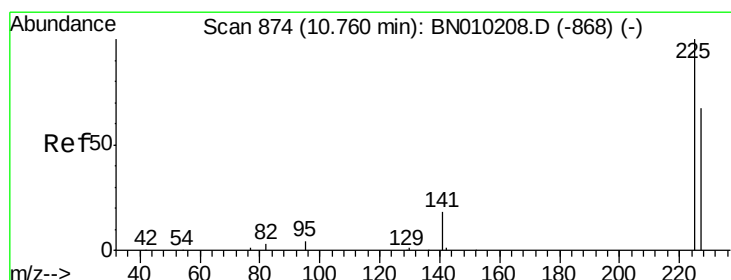
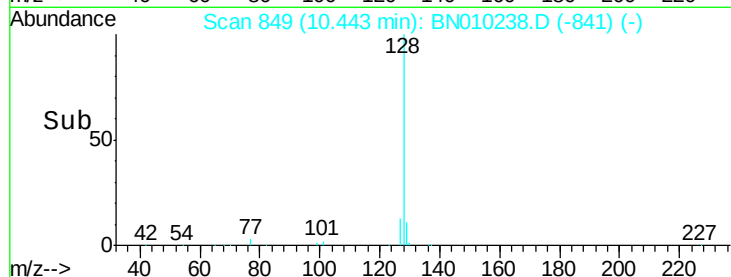
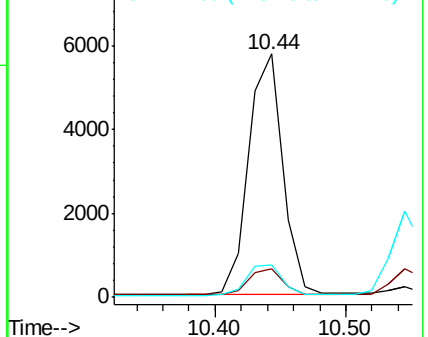
127 13.4 12.1 18.1



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: 0.421 ng

RT: 10.75 min Scan# 873

Delta R.T. -0.01 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

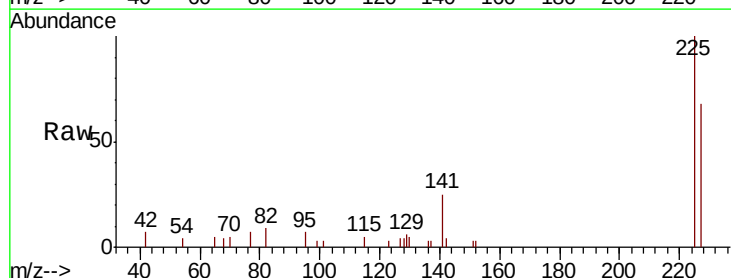
Tgt Ion:225 Resp: 2540

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

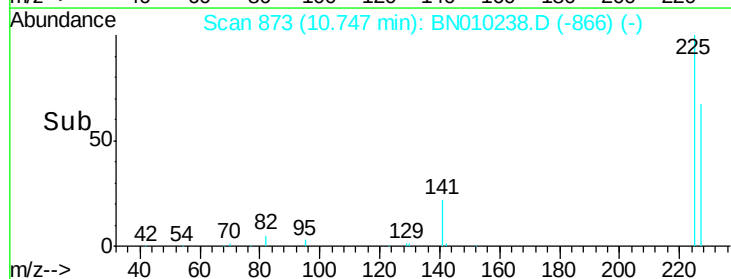
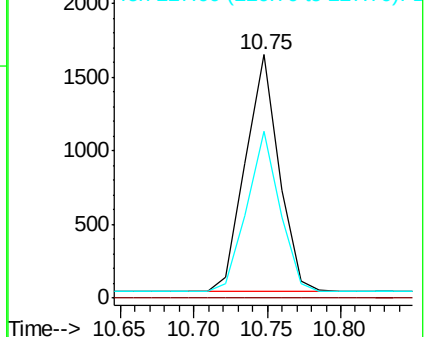
227 66.2 53.4 80.2

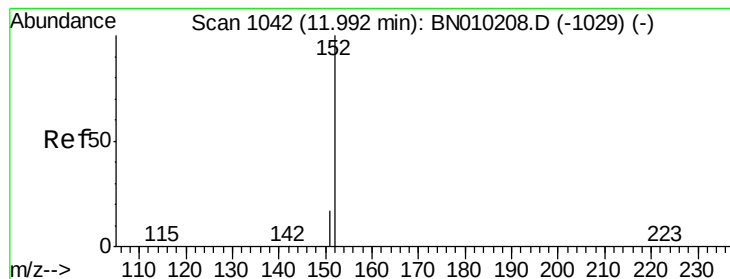


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.379 ng

RT: 11.98 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

Instrument :

BNA_N

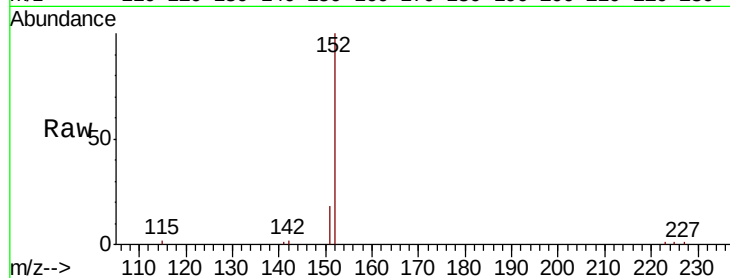
ClientSampleId :

Tot Ion:152 Resp: 6541

Ion Ratio Lower Upper

152 100

151 19.3 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.98

5000

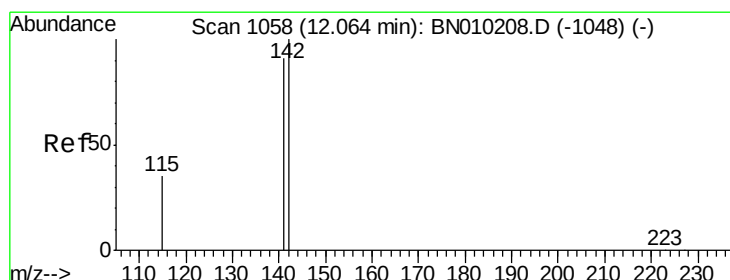
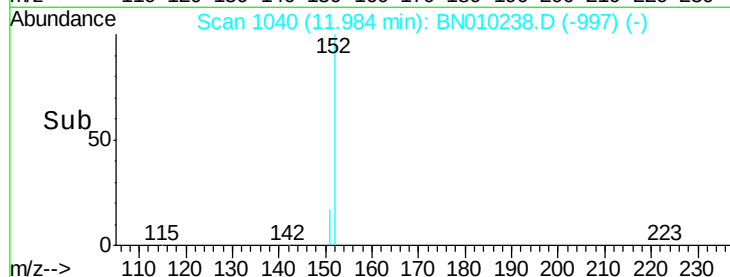
4000

3000

2000

1000

Time-->



#12

2-Methylnaphthalene

Concen: 0.377 ng

RT: 12.06 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

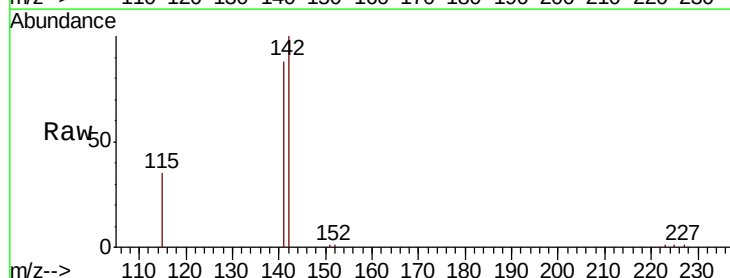
Tgt Ion:142 Resp: 7087

Ion Ratio Lower Upper

142 100

141 87.9 73.7 110.5

115 35.1 31.2 46.8



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

12.06

6000

5000

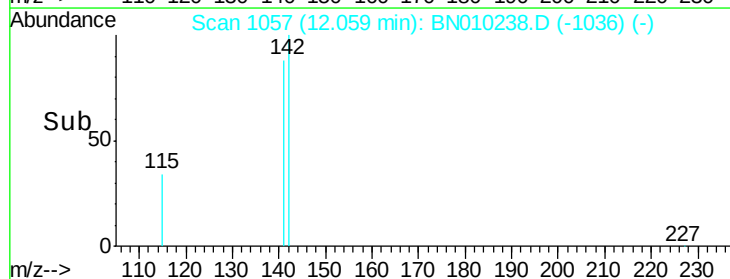
4000

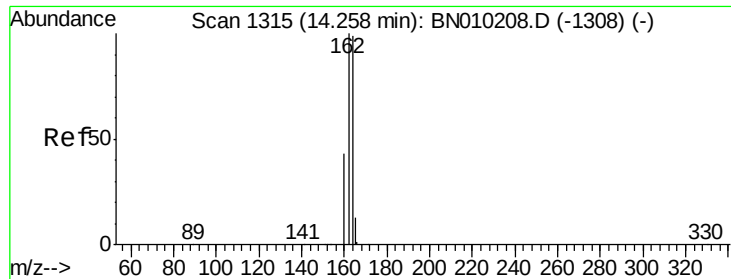
3000

2000

1000

Time-->

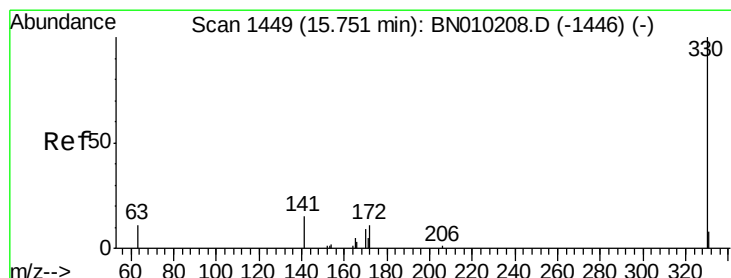
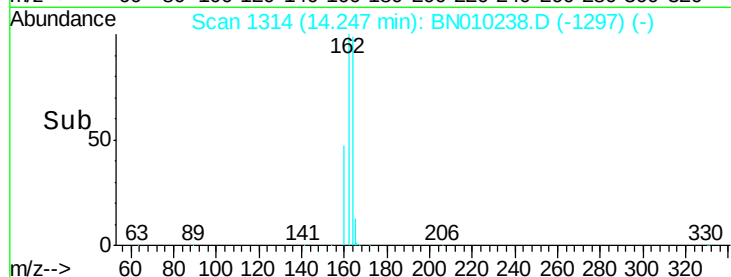
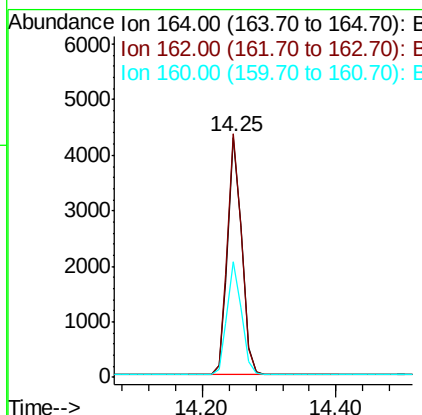
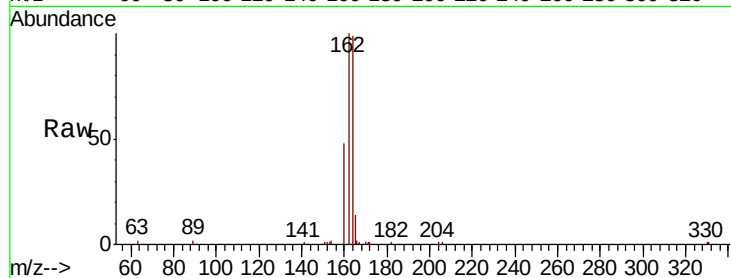




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.25 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BN010238.D
Acq: 17 Mar 2020 14:11

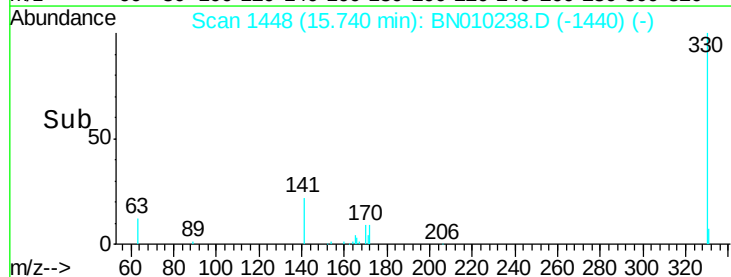
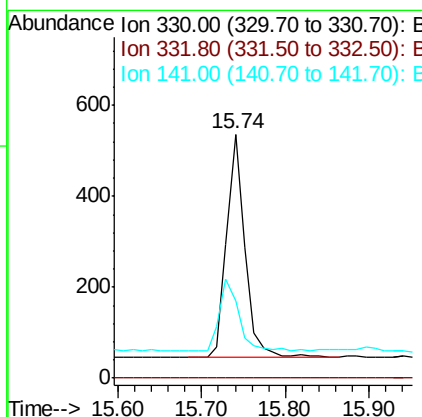
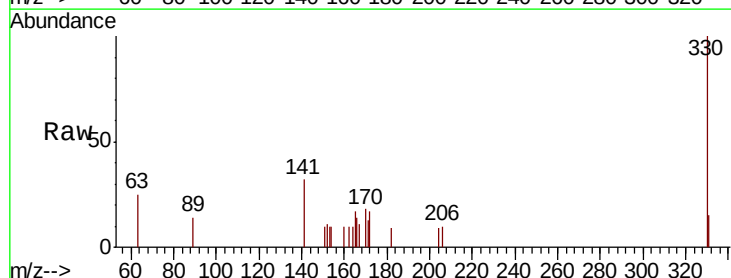
Instrument :
BNA_N
ClientSampleId :

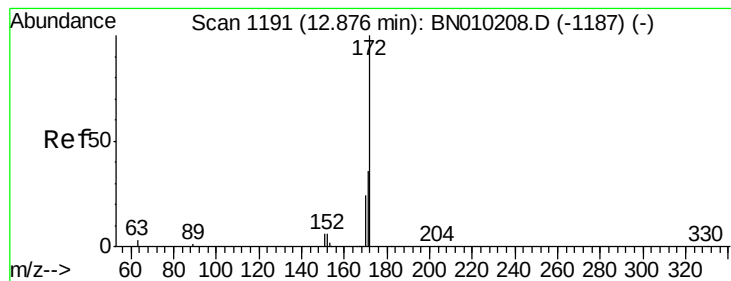
Tot Ion:164 Resp: 6261
Ion Ratio Lower Upper
164 100
162 101.4 81.0 121.4
160 48.2 35.6 53.4



#14
2,4,6-Tribromophenol
Concen: 0.335 ng
RT: 15.74 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BN010238.D
Acq: 17 Mar 2020 14:11

Tgt Ion:330 Resp: 750
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.9 25.1 37.7

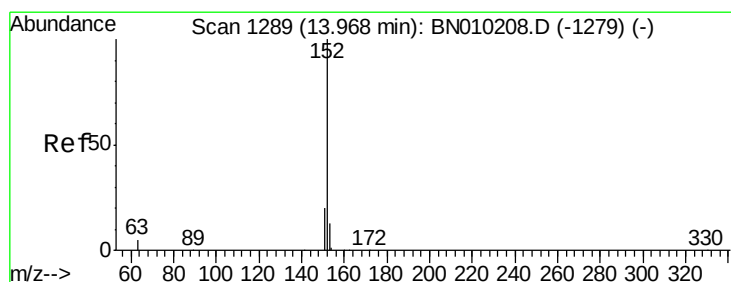
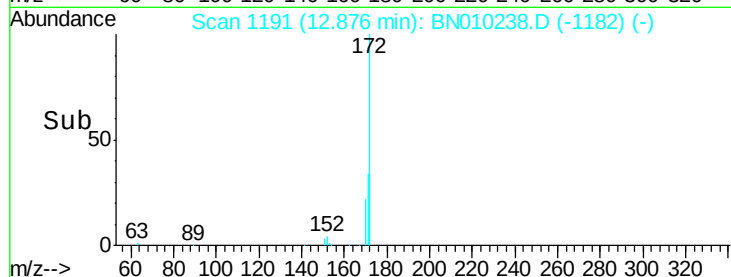
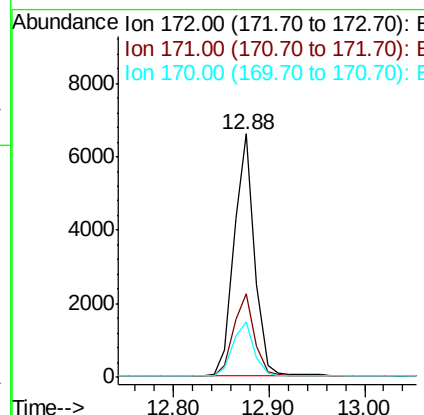
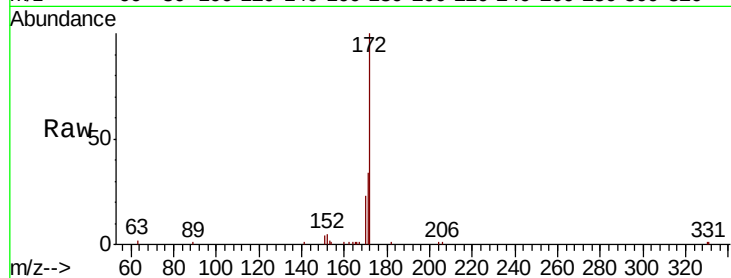




#15
2-Fluorobiphenyl
Concen: 0.436 ng
RT: 12.88 min Scan# 1191
Delta R.T. -0.00 min
Lab File: BN010238.D
Acq: 17 Mar 2020 14:11

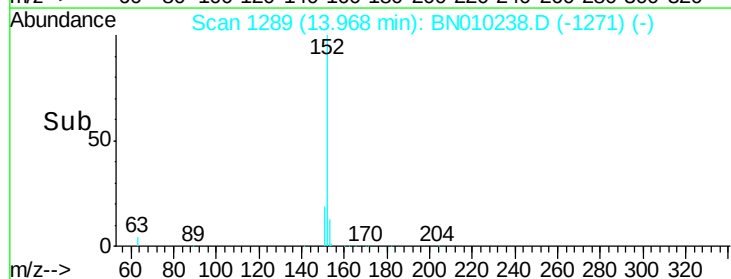
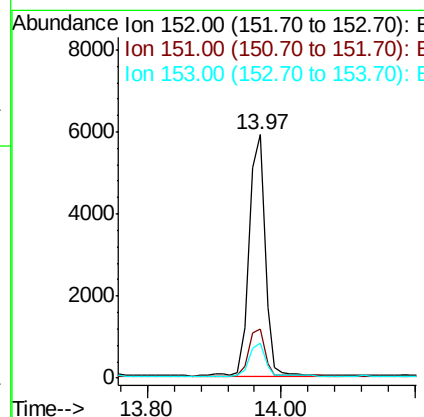
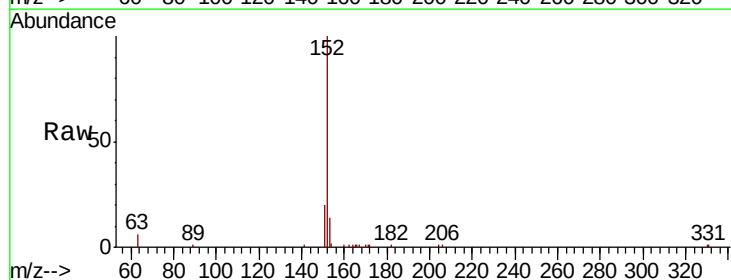
Instrument :
BNA_N
ClientSampleId :

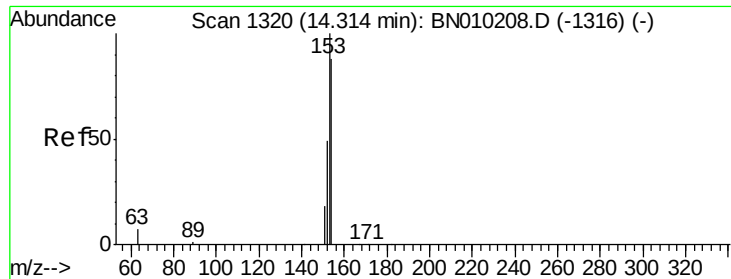
Tot Ion:172 Resp: 9713
Ion Ratio Lower Upper
172 100
171 34.5 29.4 44.2
170 22.7 20.2 30.4



#16
Acenaphthylene
Concen: 0.334 ng
RT: 13.97 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BN010238.D
Acq: 17 Mar 2020 14:11

Tgt Ion:152 Resp: 9654
Ion Ratio Lower Upper
152 100
151 19.3 15.8 23.6
153 13.2 10.6 16.0





#17

Acenaphthene

Concen: 0.382 ng

RT: 14.31 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

Instrument :

BNA_N

ClientSampleId :

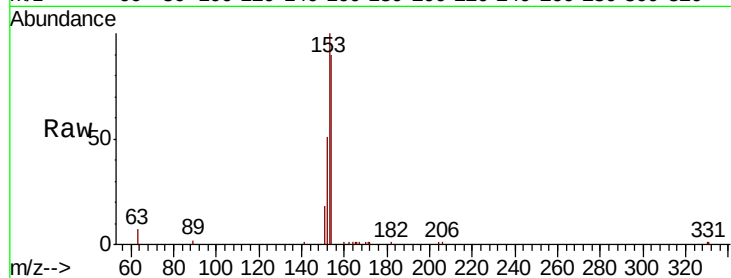
Tot Ion:154 Resp: 6699

Ion Ratio Lower Upper

154 100

153 114.0 90.3 135.5

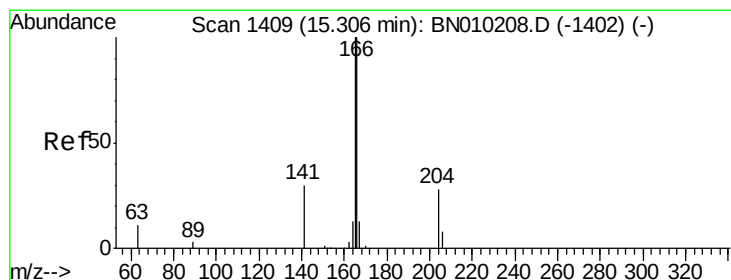
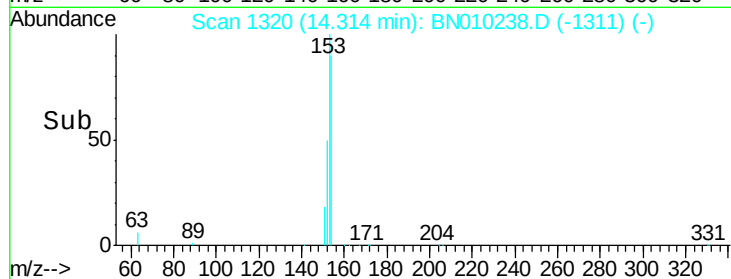
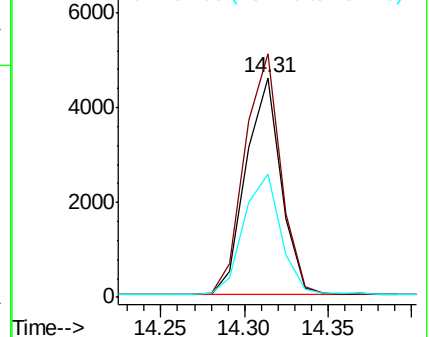
152 59.2 42.9 64.3



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: 0.379 ng

RT: 15.31 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

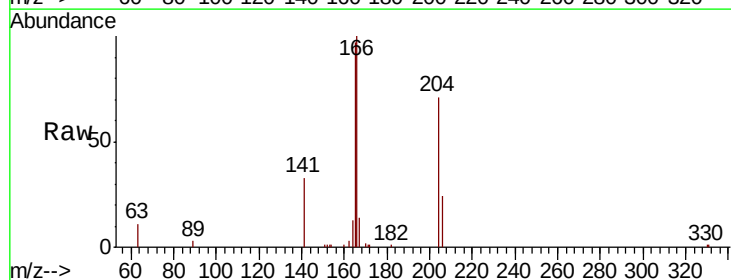
Tgt Ion:166 Resp: 9071

Ion Ratio Lower Upper

166 100

165 98.3 78.3 117.5

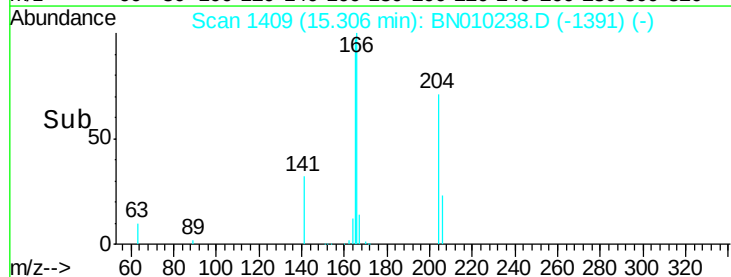
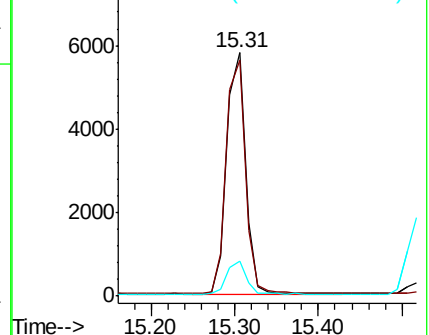
167 13.8 10.7 16.1

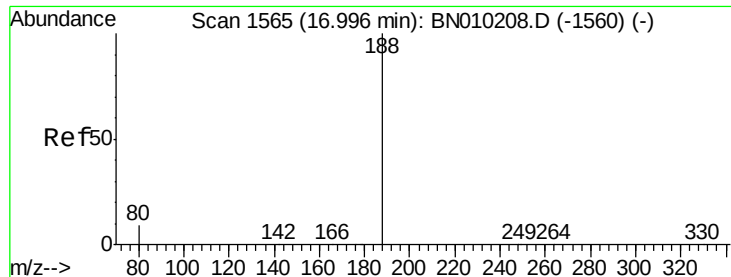


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.00 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

Instrument :

BNA_N

ClientSampleId :

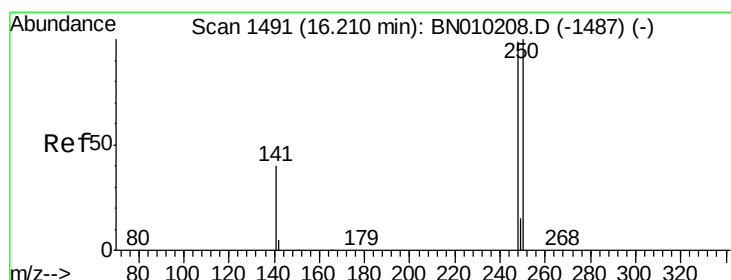
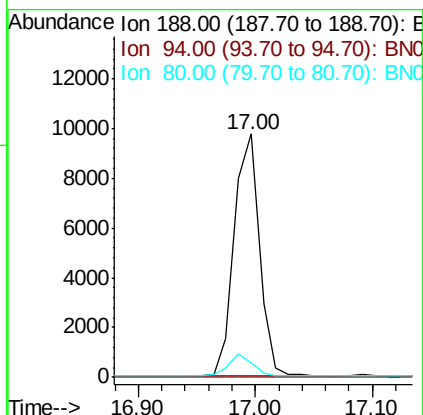
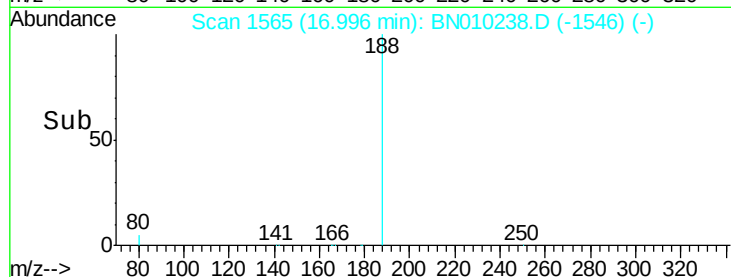
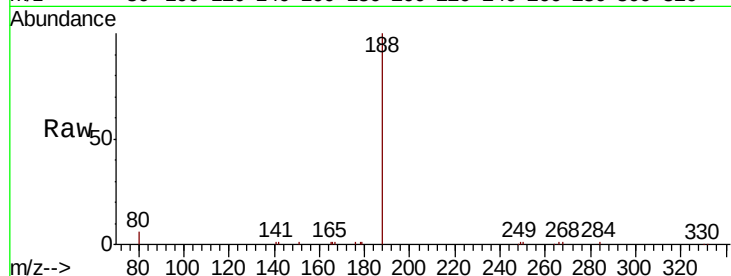
Tot Ion:188 Resp: 14531

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.0 8.6 12.8#



#20

4-Bromophenyl-phenylether

Concen: 0.404 ng

RT: 16.20 min Scan# 1490

Delta R.T. -0.01 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

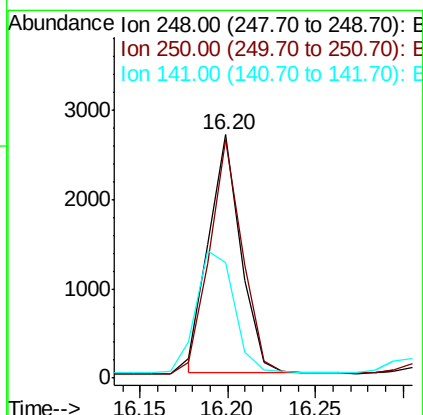
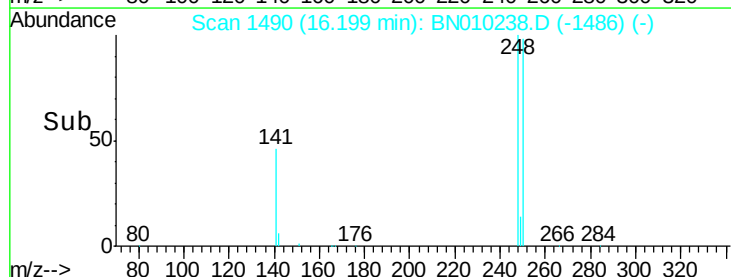
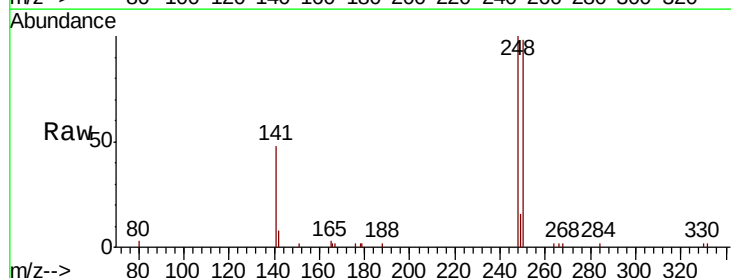
Tgt Ion:248 Resp: 3372

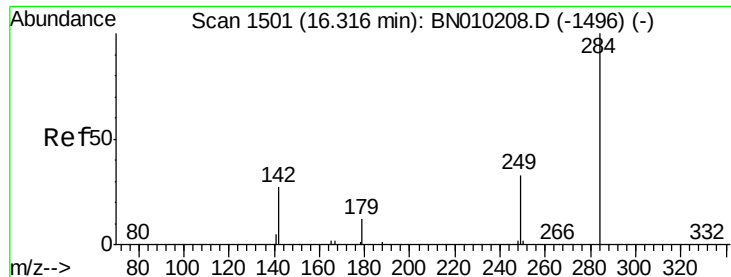
Ion Ratio Lower Upper

248 100

250 98.2 81.2 121.8

141 47.7 36.7 55.1

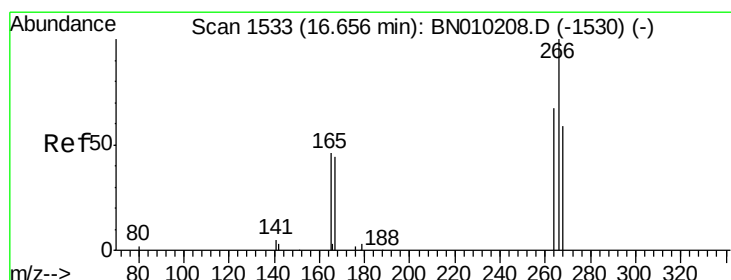
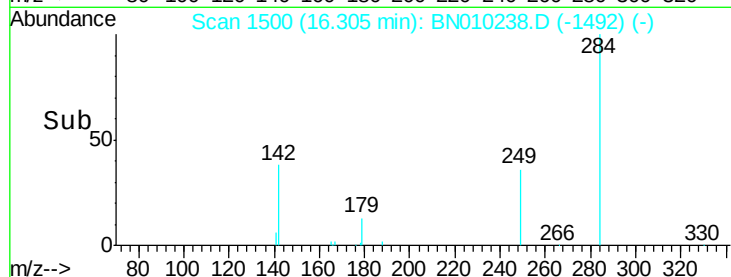
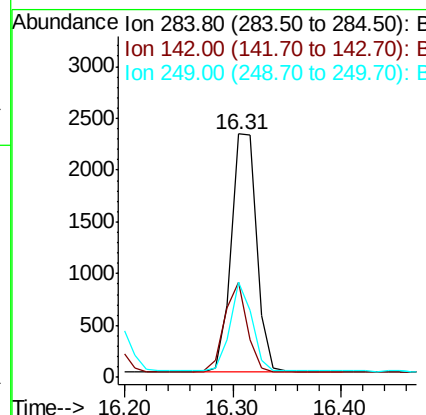
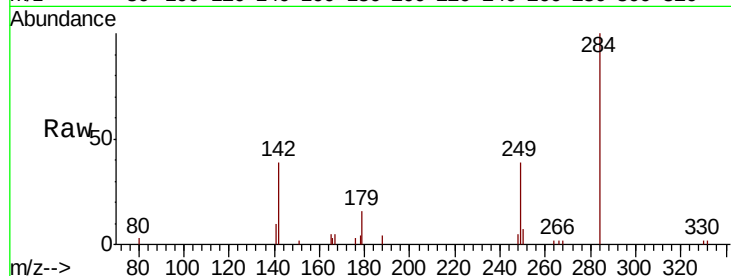




#21
Hexachlorobenzene
Concen: 0.458 ng
RT: 16.31 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BN010238.D
Acq: 17 Mar 2020 14:11

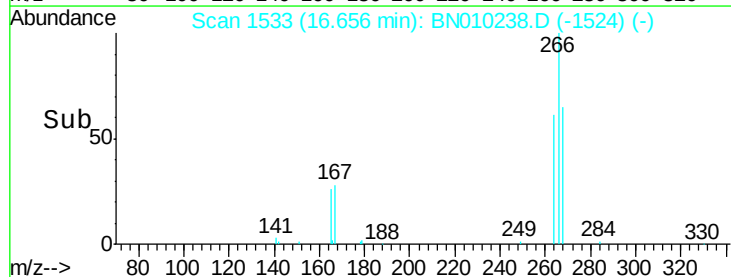
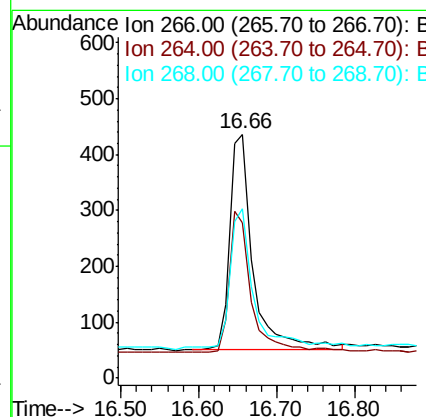
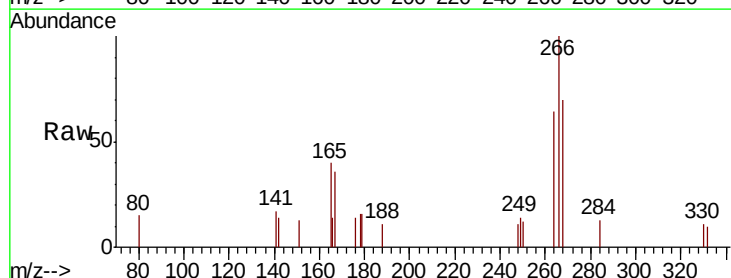
Instrument :
BNA_N
ClientSampleId :

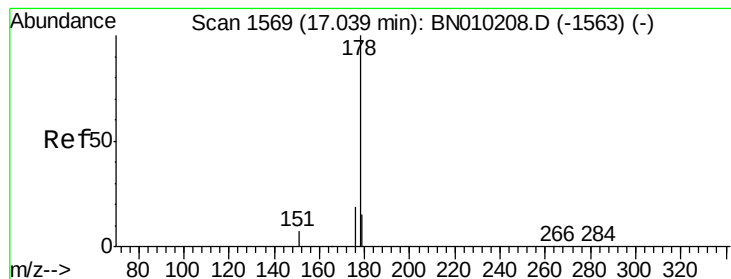
Tot Ion:284 Resp: 3732
Ion Ratio Lower Upper
284 100
142 34.0 27.8 41.6
249 32.6 26.6 39.8



#22
Pentachlorophenol
Concen: 0.318 ng
RT: 16.66 min Scan# 1533
Delta R.T. -0.00 min
Lab File: BN010238.D
Acq: 17 Mar 2020 14:11

Tgt Ion:266 Resp: 799
Ion Ratio Lower Upper
266 100
264 64.0 56.2 84.2
268 69.7 61.4 92.2





#23

Phenanthrene

Concen: 0.407 ng

RT: 17.03 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

Instrument :

BNA_N

ClientSampled :

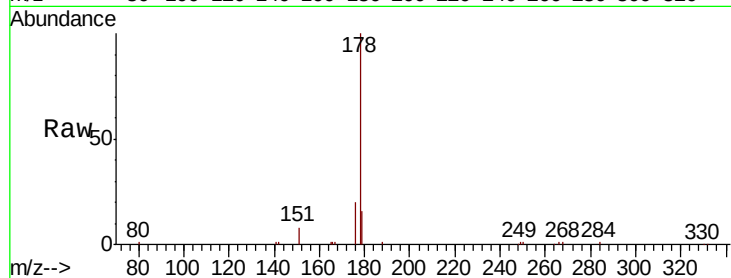
Tot Ion:178 Resp: 15692

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

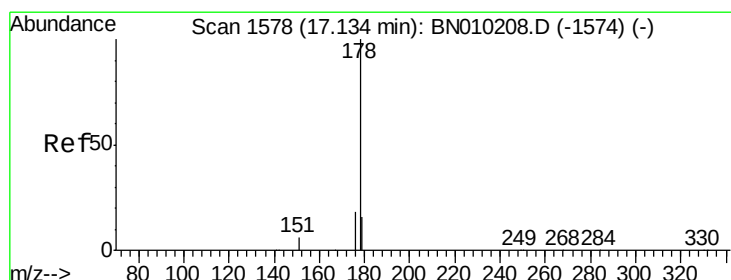
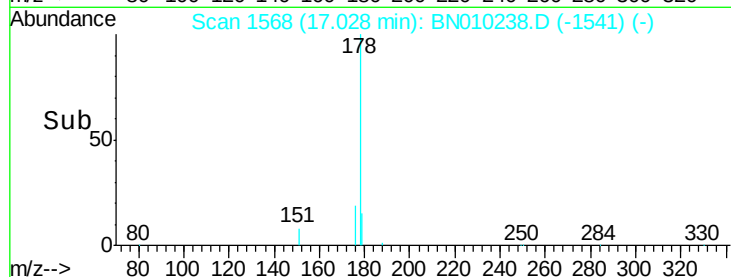
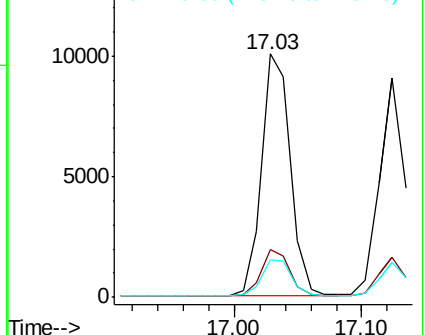
179 15.5 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.340 ng

RT: 17.12 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

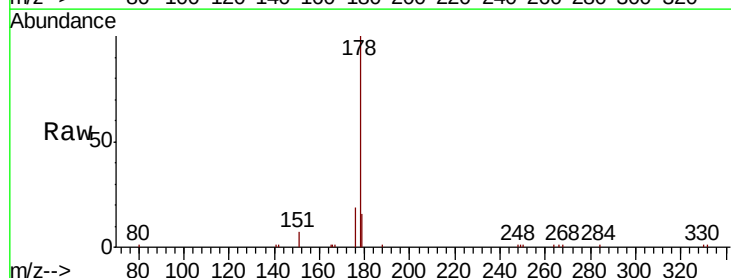
Tgt Ion:178 Resp: 13058

Ion Ratio Lower Upper

178 100

176 18.3 14.6 22.0

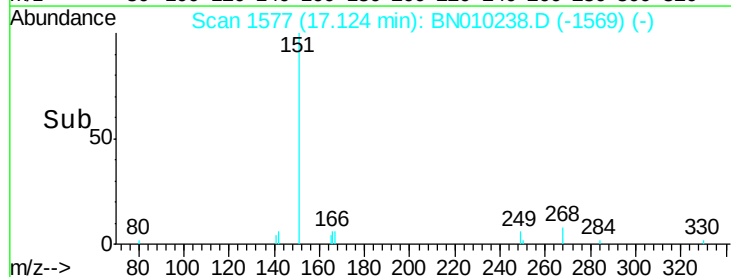
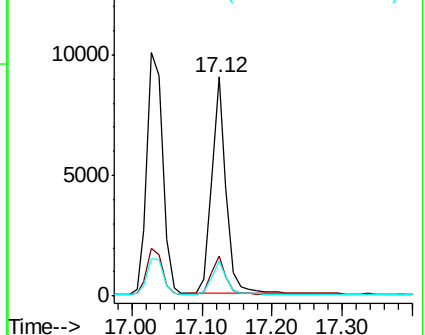
179 15.5 12.5 18.7

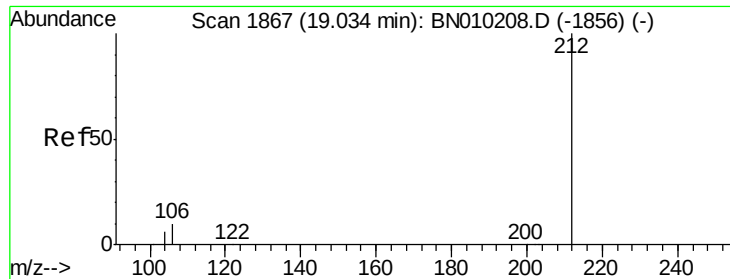


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.374 ng

RT: 19.03 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

Instrument :

BNA_N

ClientSampleId :

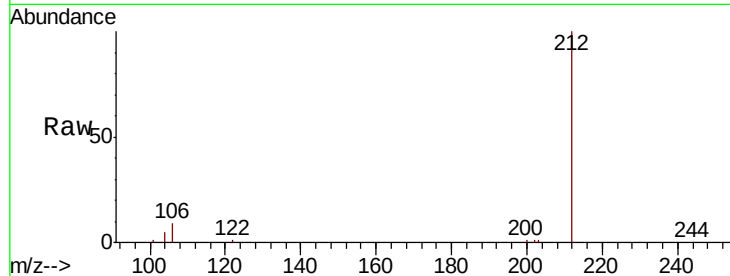
Tot Ion:212 Resp: 16775

Ion Ratio Lower Upper

212 100

106 9.4 8.1 12.1

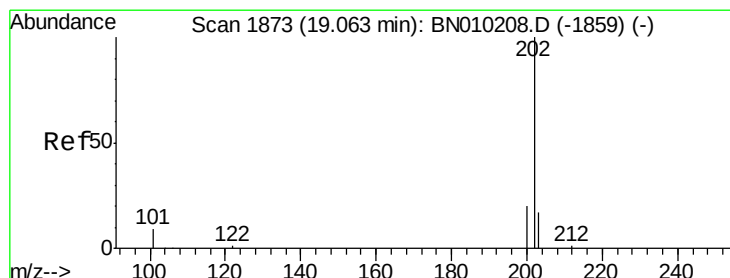
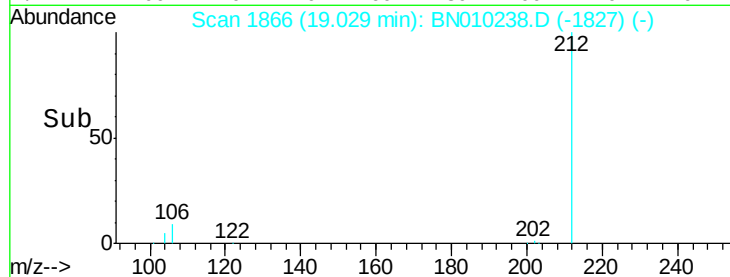
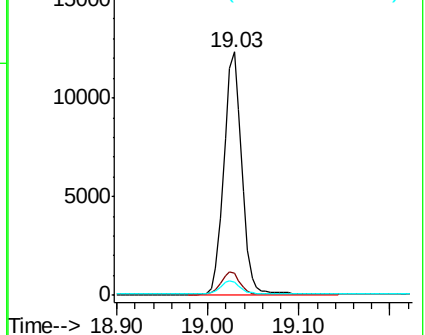
104 5.4 4.7 7.1



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: 0.389 ng

RT: 19.06 min Scan# 1872

Delta R.T. -0.00 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

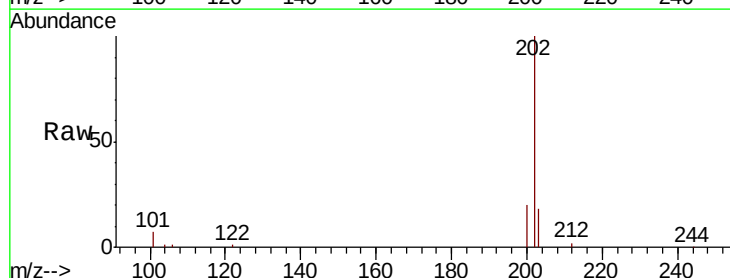
Tgt Ion:202 Resp: 19007

Ion Ratio Lower Upper

202 100

101 8.0 7.0 10.6

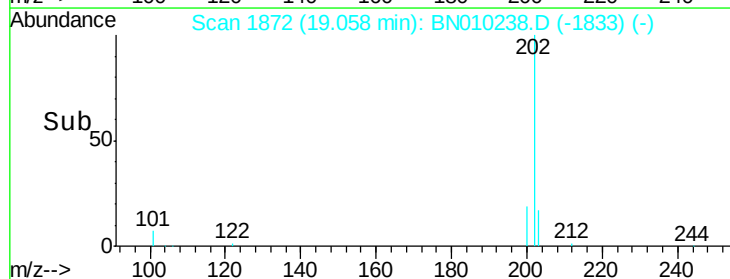
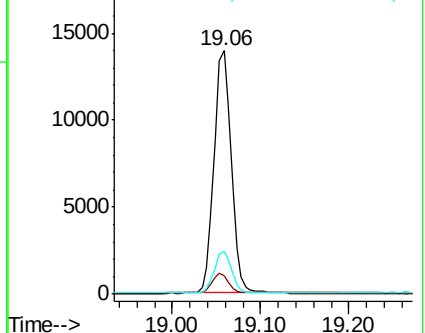
203 17.0 13.9 20.9

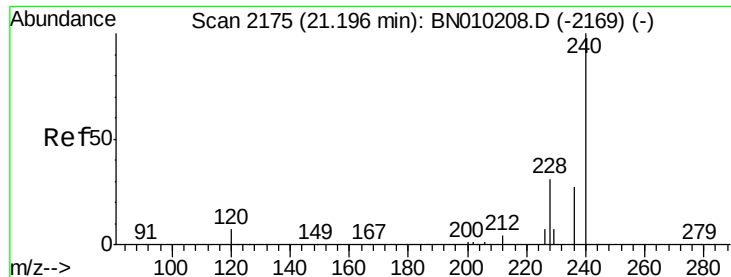


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

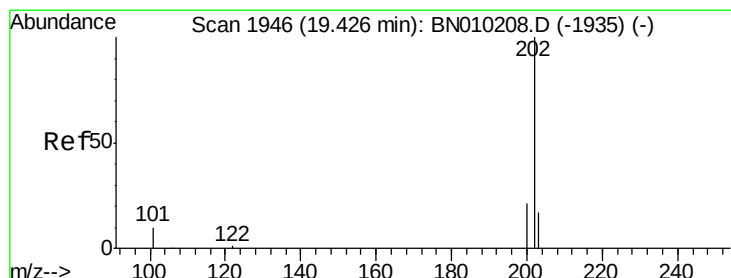
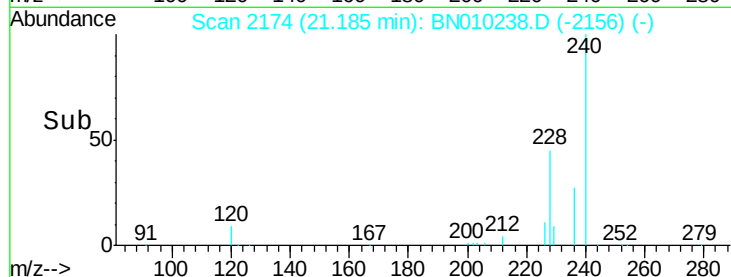
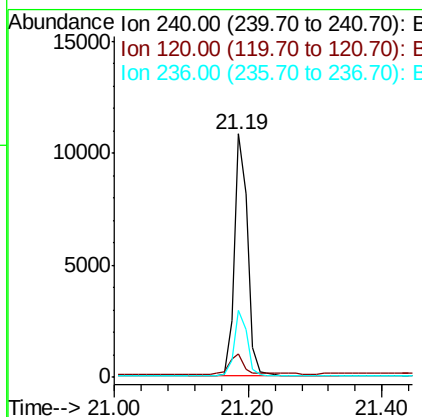
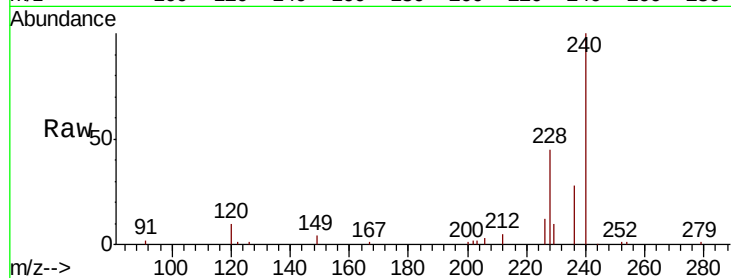




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.19 min Scan# 2174
 Delta R.T. -0.01 min
 Lab File: BN010238.D
 Acq: 17 Mar 2020 14:11

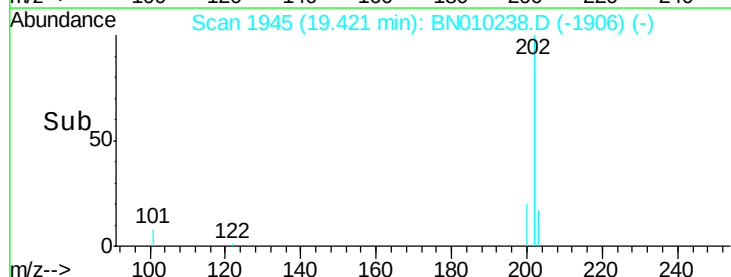
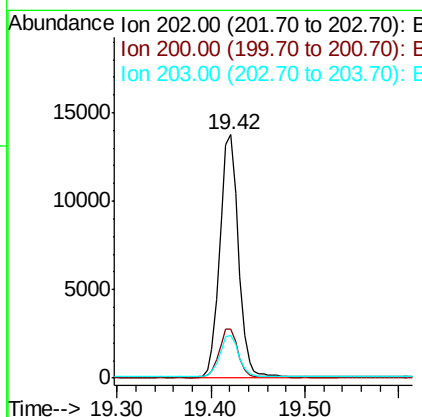
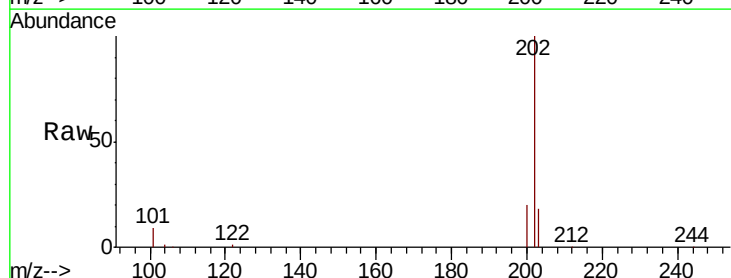
Instrument :
 BNA_N
 ClientSampled :

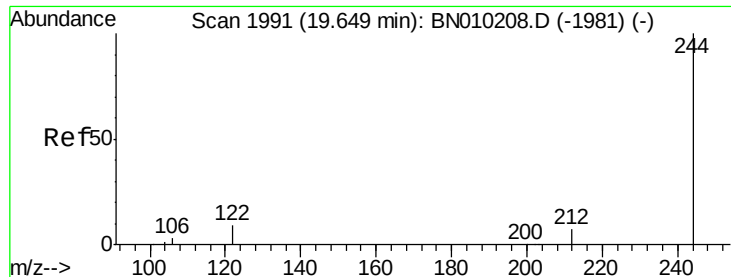
Tot Ion:240 Resp: 14951
 Ion Ratio Lower Upper
 240 100
 120 9.9 7.7 11.5
 236 27.7 21.8 32.6



#28
 Pyrene
 Concen: 0.377 ng
 RT: 19.42 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: BN010238.D
 Acq: 17 Mar 2020 14:11

Tgt Ion:202 Resp: 18820
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.6 24.8
 203 17.4 14.1 21.1





#29

Terphenyl-d14

Concen: 0.391 ng

RT: 19.64 min Scan# 1989

Delta R.T. -0.01 min

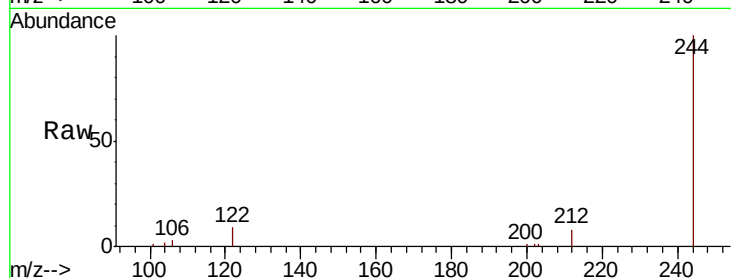
Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

Instrument :

BNA_N

ClientSampleId :



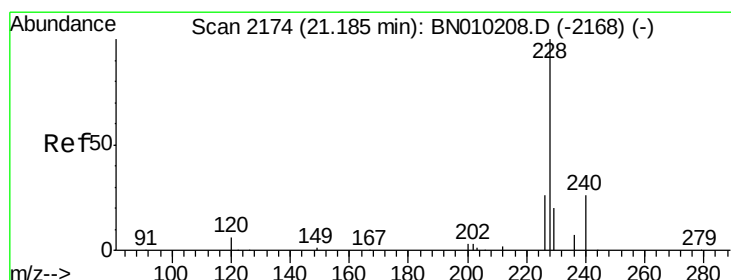
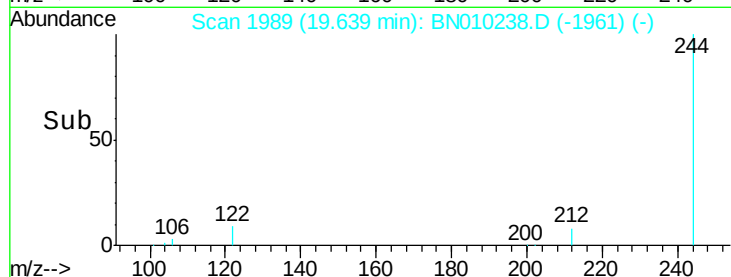
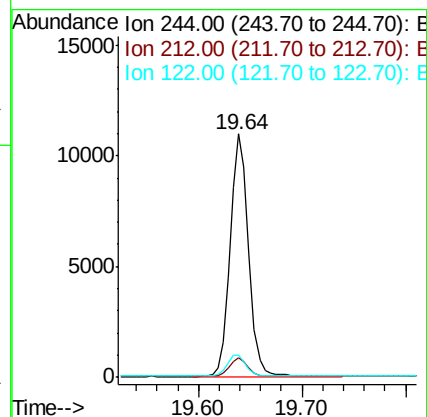
Tot Ion:244 Resp: 13321

Ion Ratio Lower Upper

244 100

212 8.0 6.4 9.6

122 9.0 8.1 12.1



#30

Benzo(a)anthracene

Concen: 0.343 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

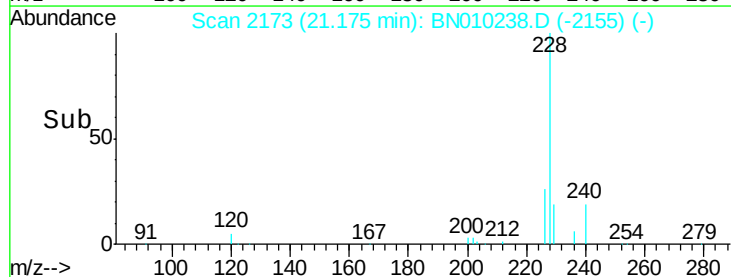
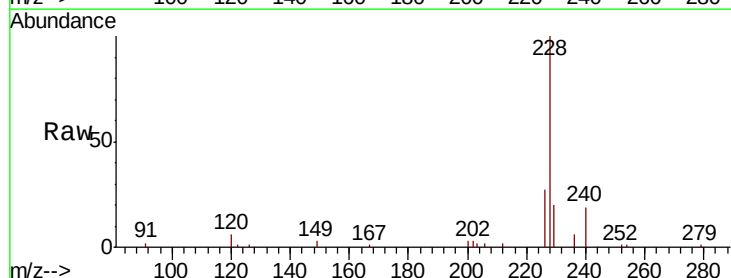
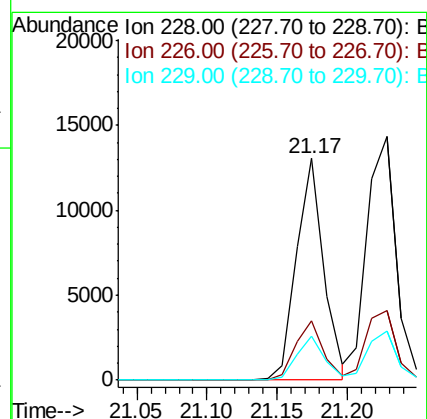
Tgt Ion:228 Resp: 17412

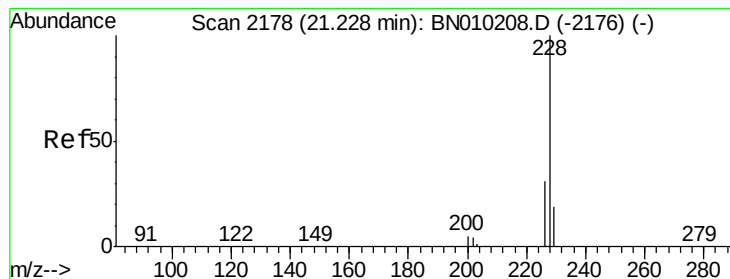
Ion Ratio Lower Upper

228 100

226 26.6 21.1 31.7

229 19.7 16.2 24.4





#31

Chrysene

Concen: 0.413 ng

RT: 21.23 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

Instrument :

BNA_N

ClientSampleId :

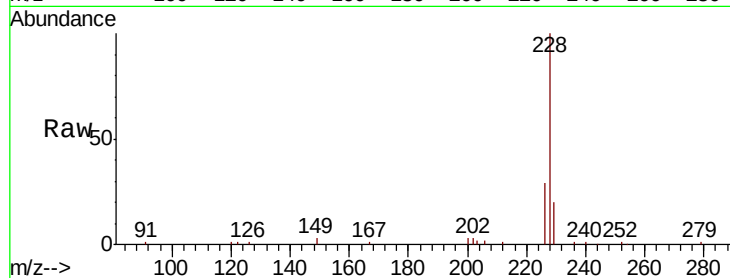
Tot Ion:228 Resp: 20672

Ion Ratio Lower Upper

228 100

226 28.7 25.0 37.4

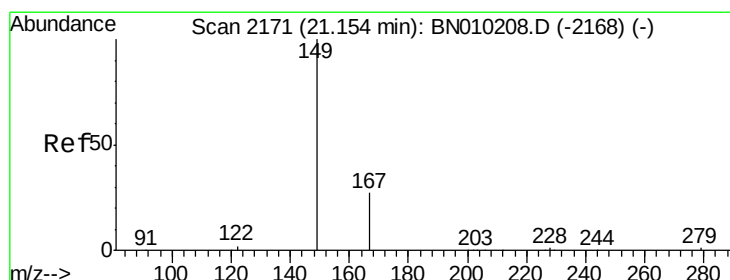
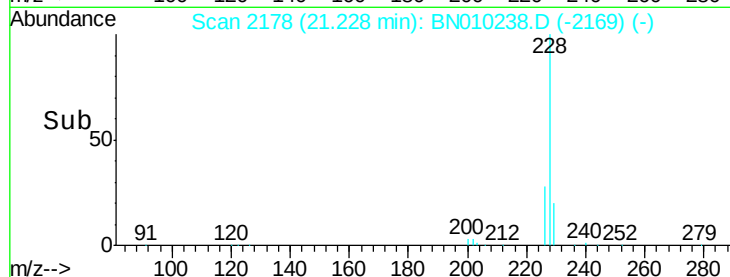
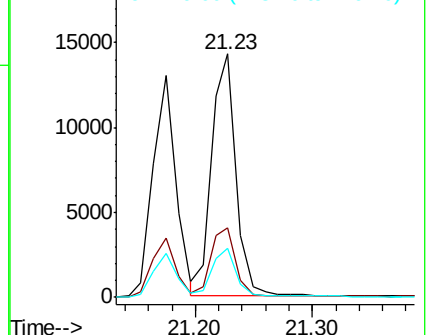
229 20.4 15.7 23.5



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: 0.198 ng

RT: 21.14 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

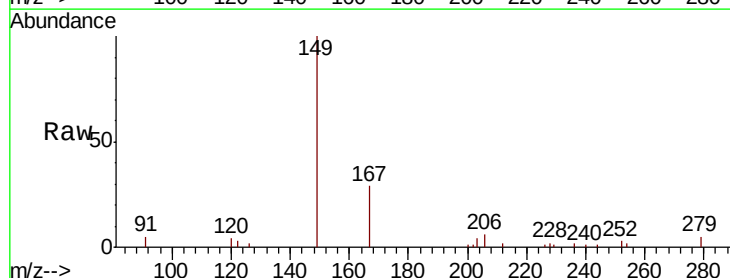
Tgt Ion:149 Resp: 4287

Ion Ratio Lower Upper

149 100

167 28.9 21.0 31.4

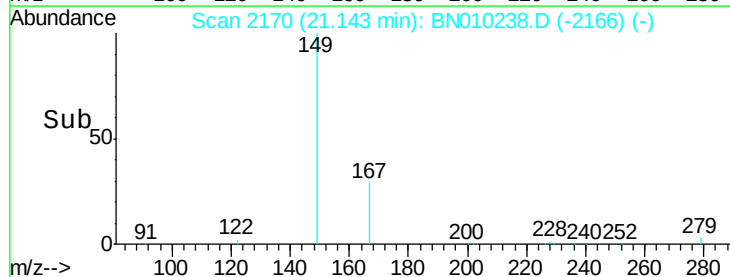
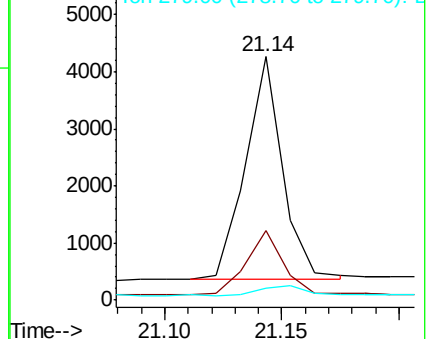
279 4.9 3.1 4.7#

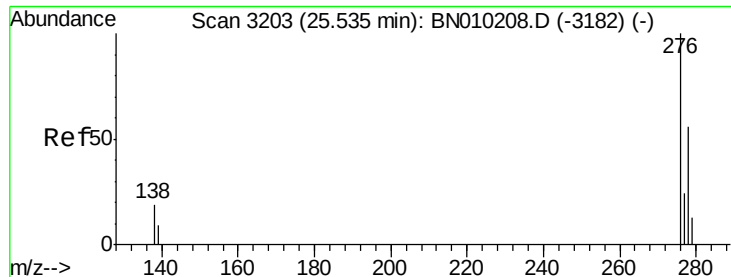


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.363 ng

RT: 25.52 min Scan# 3198

Delta R.T. -0.02 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

Instrument :

BNA_N

ClientSampleId :

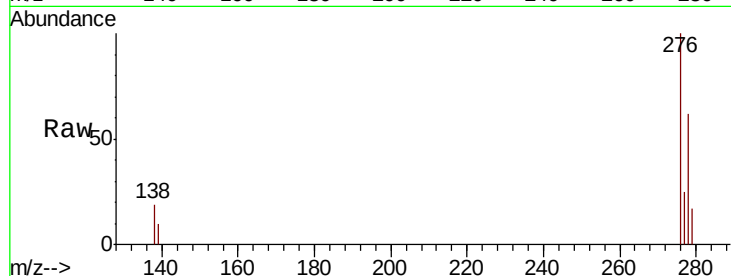
Tot Ion:276 Resp: 21553

Ion Ratio Lower Upper

276 100

138 18.7 15.8 23.6

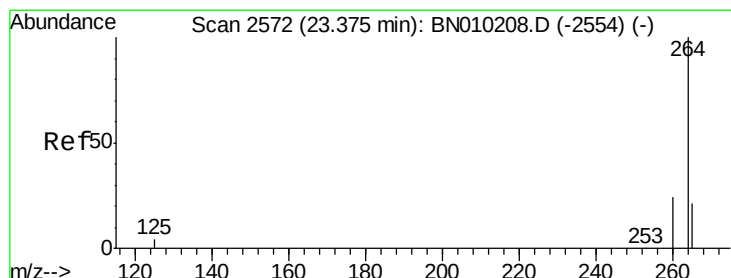
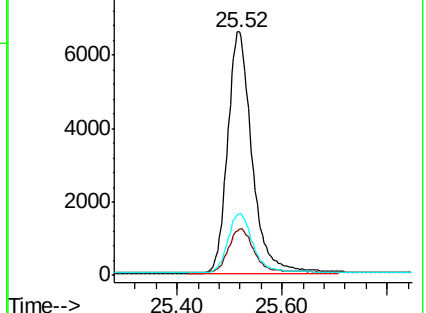
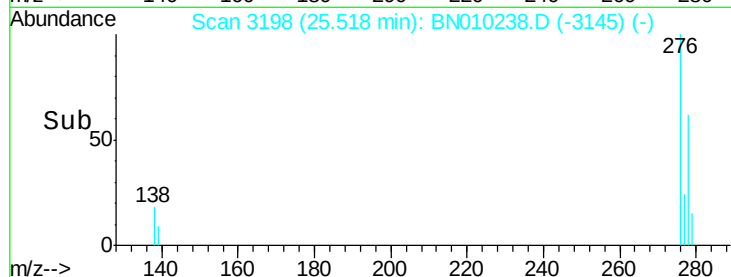
277 24.7 19.3 28.9



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: 23.36 min Scan# 2568

Delta R.T. -0.01 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

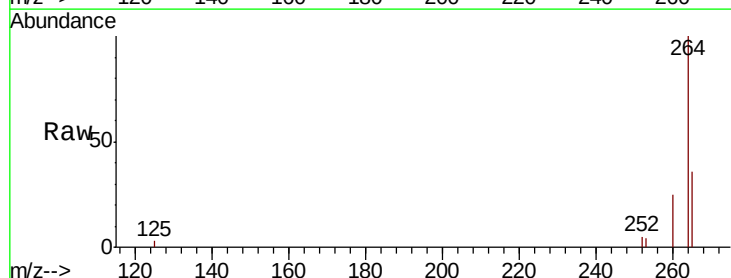
Tgt Ion:264 Resp: 15678

Ion Ratio Lower Upper

264 100

260 25.1 19.7 29.5

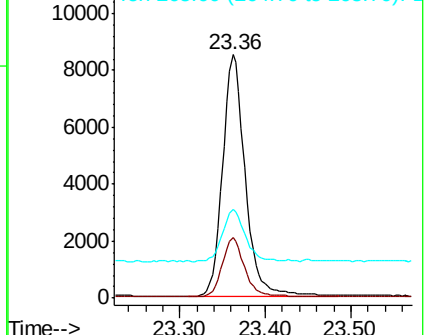
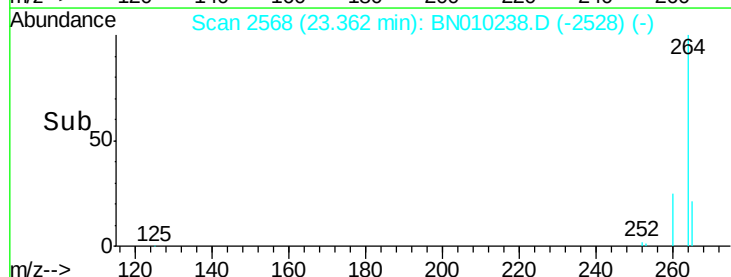
265 36.2 25.8 38.6

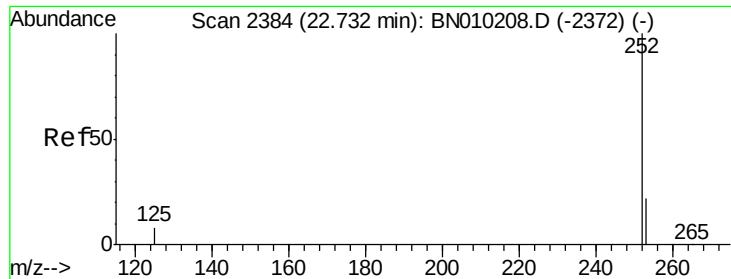


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.410 ng

RT: 22.72 min Scan# 2380

Delta R.T. -0.01 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

Instrument :

BNA_N

ClientSampleId :

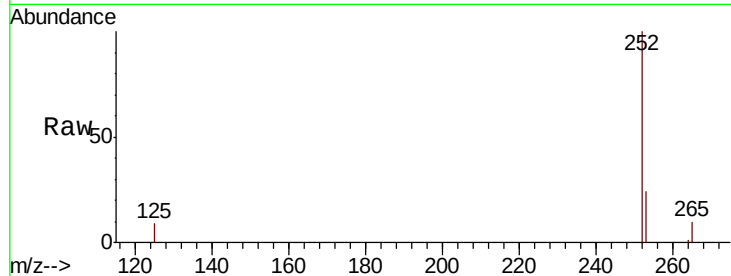
Tot Ion:252 Resp: 19751

Ion Ratio Lower Upper

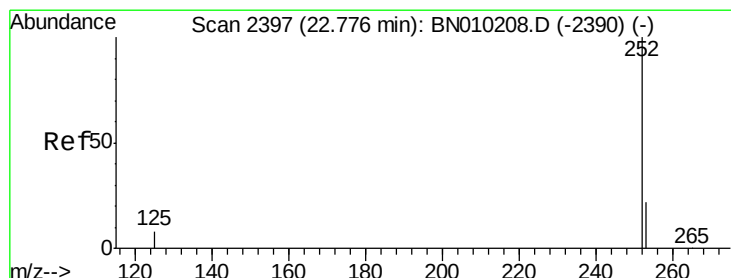
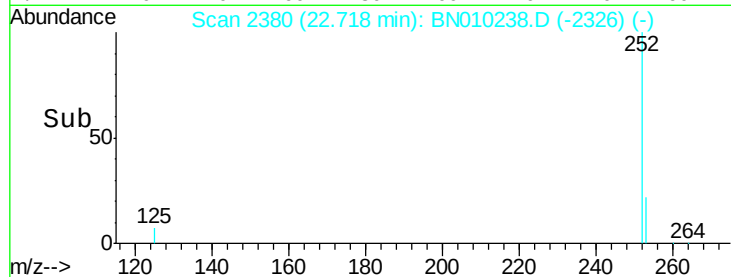
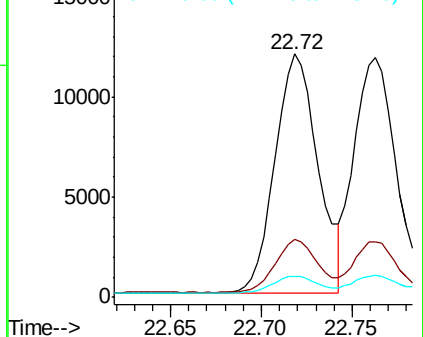
252 100

253 24.0 18.6 28.0

125 8.6 7.9 11.9



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



#36

Benzo(k)fluoranthene

Concen: 0.408 ng

RT: 22.76 min Scan# 2393

Delta R.T. -0.01 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

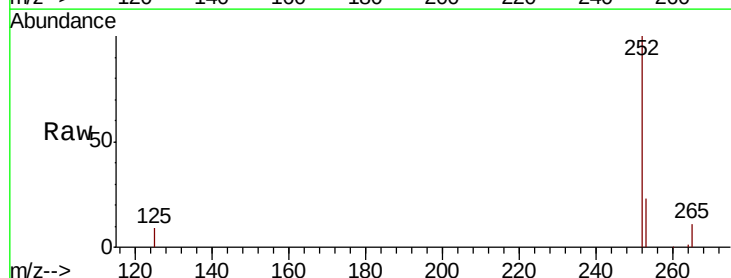
Tgt Ion:252 Resp: 19860

Ion Ratio Lower Upper

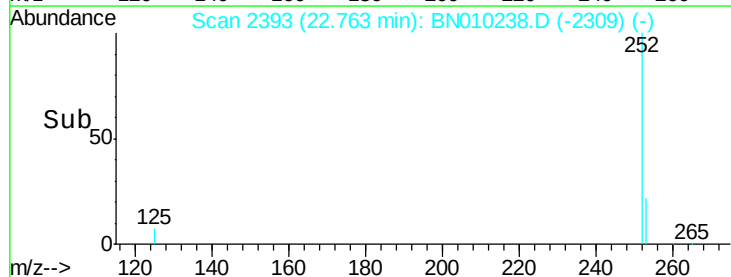
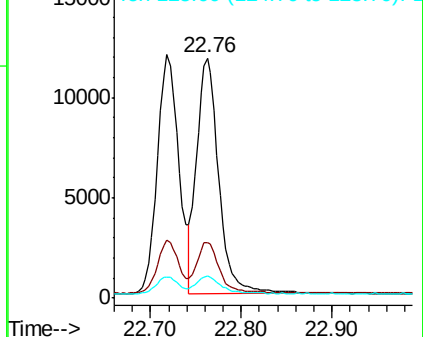
252 100

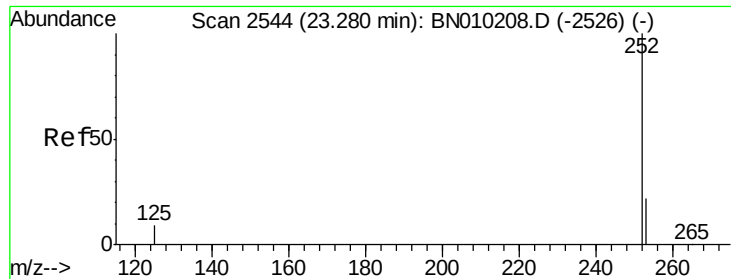
253 23.3 18.8 28.2

125 9.1 8.2 12.4



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: 0.362 ng

RT: 23.27 min Scan# 2541

Delta R.T. -0.01 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

Instrument :

BNA_N

ClientSampleId :

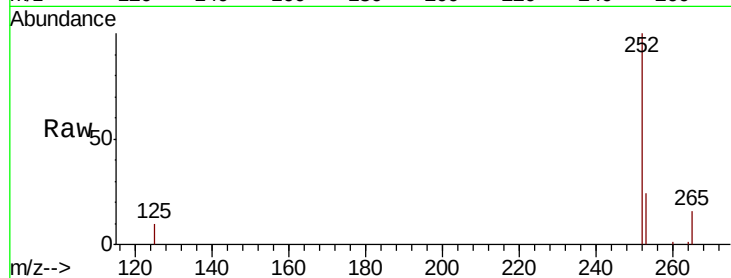
Tot Ion:252 Resp: 16485

Ion Ratio Lower Upper

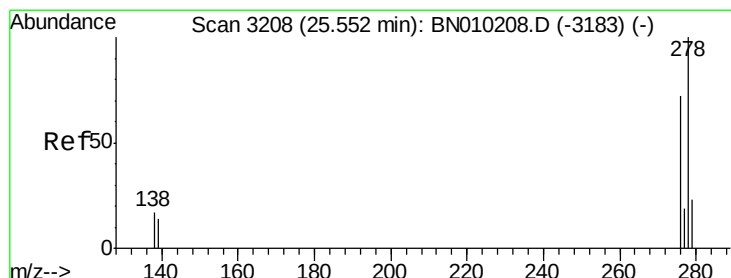
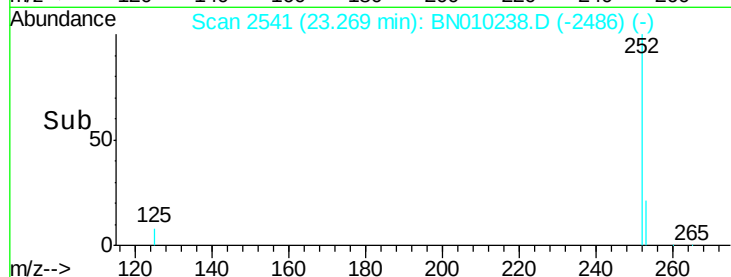
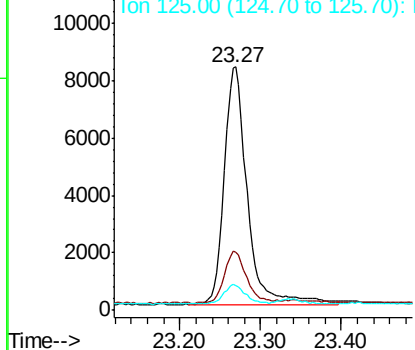
252 100

253 24.1 19.1 28.7

125 10.3 9.2 13.8



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



#38

Dibenzo(a,h)anthracene

Concen: 0.392 ng

RT: 25.54 min Scan# 3203

Delta R.T. -0.02 min

Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

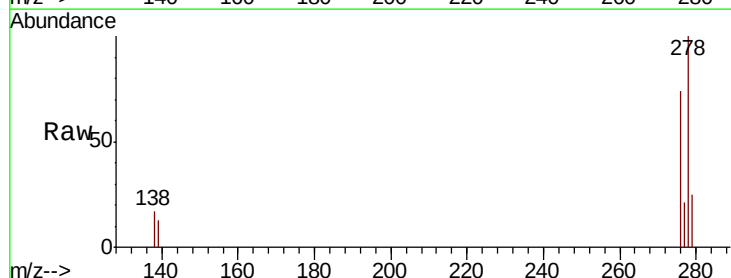
Tgt Ion:278 Resp: 17905

Ion Ratio Lower Upper

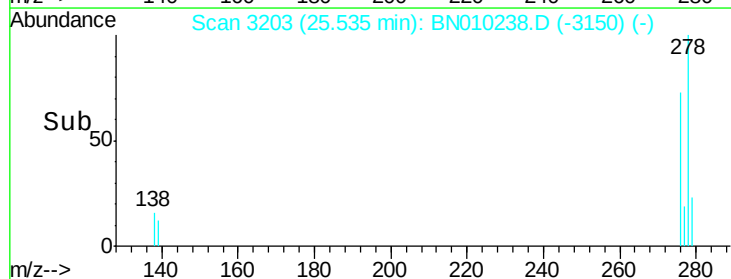
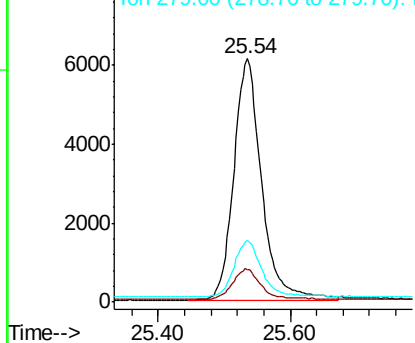
278 100

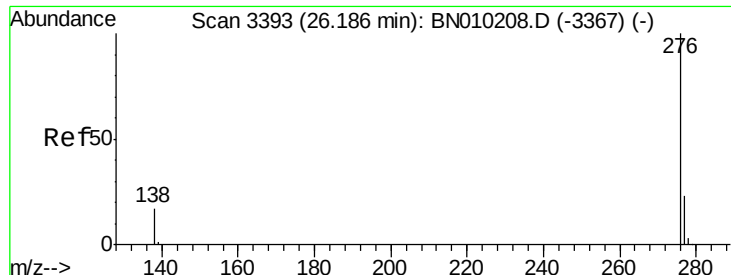
139 13.3 12.4 18.6

279 25.3 20.2 30.2



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





#39

Benzo(a,h,i)perylene

Concen: 0.402 ng

RT: 26.16 min Scan# 3386

Delta R.T. -0.02 min

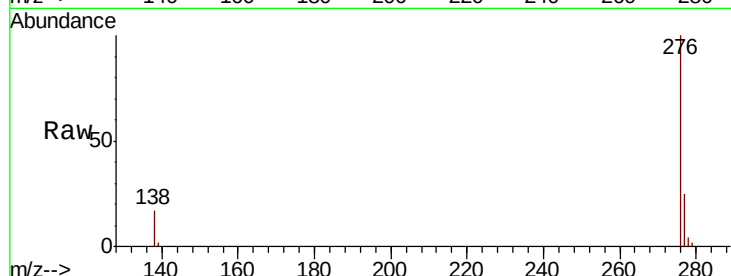
Lab File: BN010238.D

Acq: 17 Mar 2020 14:11

Instrument :

BNA_N

ClientSampleId :



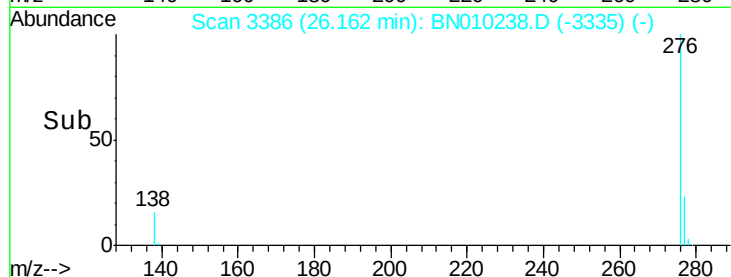
Tot Ion: 276 Resp: 18322

Ion Ratio Lower Upper

276 100

277 24.5 19.4 29.2

138 17.1 15.4 23.2



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

