

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031720\
 Data File : BN010237.D
 Acq On : 17 Mar 2020 13:34
 Operator : CG/JU
 Sample : PB127507BSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 17 14:10:19 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	7.64	152	3093	0.40	ng	0.00
7) Naphthalene-d8	10.39	136	10603	0.40	ng	0.00
13) Acenaphthene-d10	14.25	164	6303	0.40	ng	-0.01
19) Phenanthrene-d10	17.00	188	14964	0.40	ng	0.00
27) Chrysene-d12	21.19	240	15602	0.40	ng	-0.01
34) Perylene-d12	23.37	264	15850	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.26	112	2296	0.32	ng	0.00
5) Phenol-d6	6.81	99	2957	0.33	ng	0.00
8) Nitrobenzene-d5	8.76	82	2489	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	11.98	152	6580	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.74	330	754	0.33	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	9899	0.44	ng	0.00
25) Fluoranthene-d10	19.03	212	17325	0.38	ng	0.00
29) Terphenyl-d14	19.64	244	13646	0.38	ng	-0.01

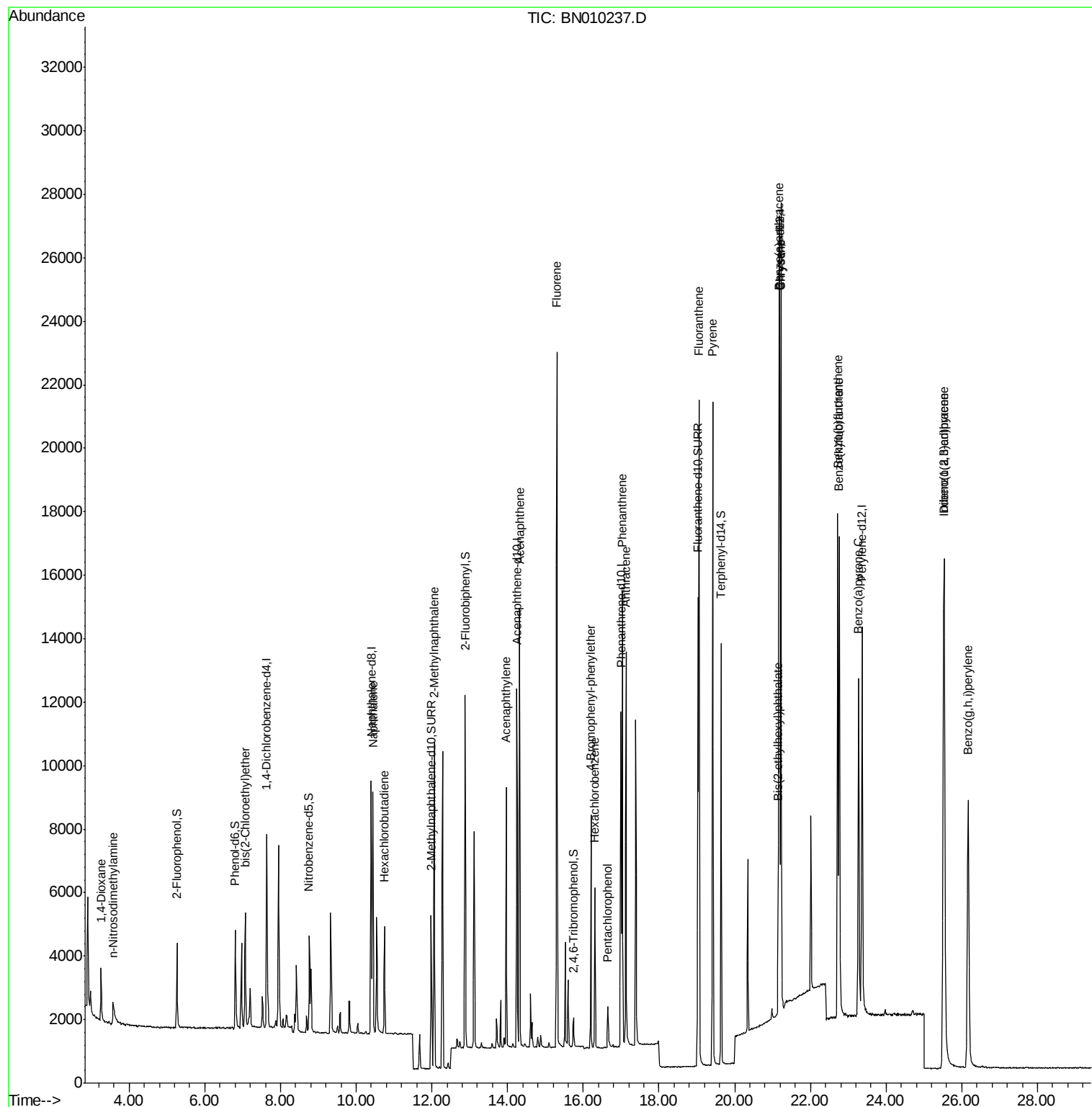
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.26	88	1170	0.388	ng	# 55
3) n-Nitrosodimethylamine	3.58	42	828	0.310	ng	# 35
6) bis(2-Chloroethyl)ether	7.07	93	2876	0.380	ng	95
9) Naphthalene	10.44	128	10428	0.393	ng	96
10) Hexachlorobutadiene	10.75	225	2648	0.433	ng	# 97
12) 2-Methylnaphthalene	12.06	142	7166	0.376	ng	96
16) Acenaphthylene	13.97	152	9919	0.341	ng	100
17) Acenaphthene	14.31	154	6808	0.386	ng	97
18) Fluorene	15.31	166	9306	0.387	ng	99
20) 4-Bromophenyl-phenylether	16.20	248	3498	0.407	ng	96
21) Hexachlorobenzene	16.31	284	3798	0.453	ng	99
22) Pentachlorophenol	16.65	266	839	0.324	ng	91
23) Phenanthrene	17.03	178	16021	0.404	ng	100
24) Anthracene	17.12	178	13360	0.338	ng	99
26) Fluoranthene	19.06	202	19493	0.388	ng	99
28) Pyrene	19.42	202	19357	0.371	ng	100
30) Benzo(a)anthracene	21.17	228	18018	0.340	ng	99
31) Chrysene	21.23	228	21344	0.409	ng	97
32) Bis(2-ethylhexyl)phthalate	21.14	149	4476	0.198	ng	# 96
33) Indeno(1,2,3-cd)pyrene	25.52	276	21866	0.353	ng	98
35) Benzo(b)fluoranthene	22.72	252	19929	0.409	ng	99
36) Benzo(k)fluoranthene	22.76	252	20856	0.423	ng	98
37) Benzo(a)pyrene	23.27	252	16933	0.368	ng	98
38) Dibenzo(a,h)anthracene	25.54	278	18187	0.394	ng	98
39) Benzo(g,h,i)perylene	26.16	276	18770	0.407	ng	98

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

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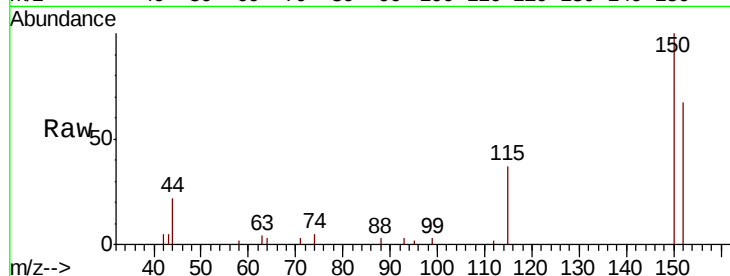


#1

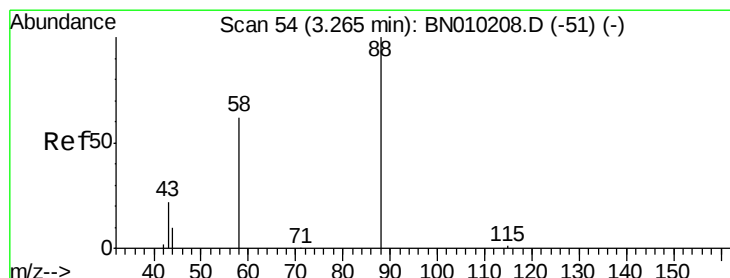
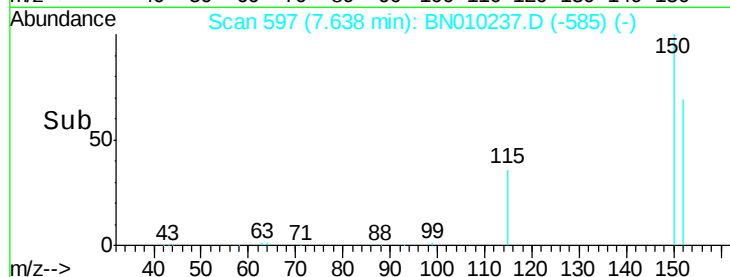
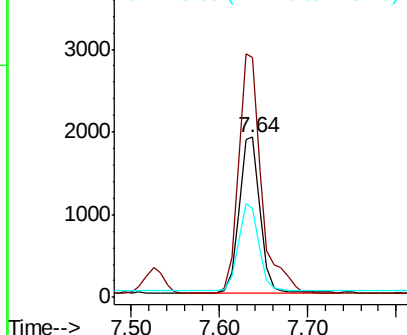
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 597
Delta R.T. -0.00 min
Lab File: BN010237.D
Acq: 17 Mar 2020 13:34

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 3093
Ion Ratio Lower Upper
152 100
150 149.5 119.5 179.3
115 55.4 50.9 76.3



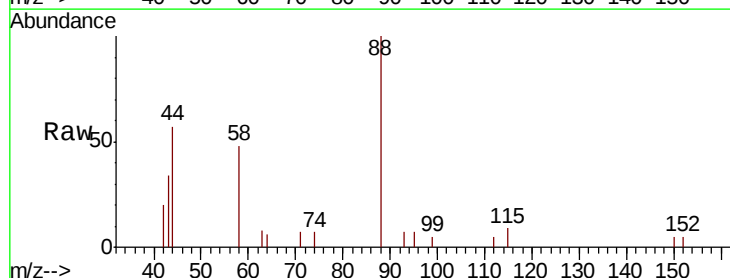
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



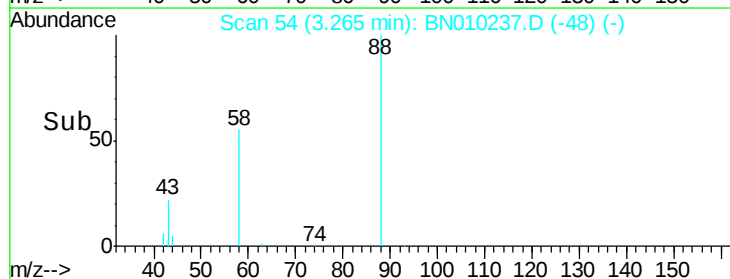
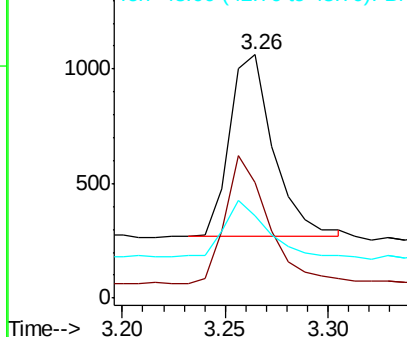
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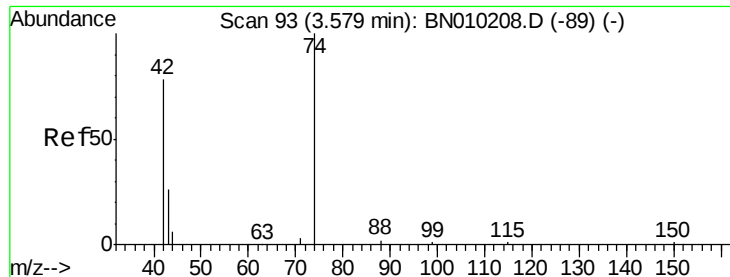
1,4-Dioxane
Concen: 0.388 ng
RT: 3.26 min Scan# 54
Delta R.T. 0.00 min
Lab File: BN010237.D
Acq: 17 Mar 2020 13:34

Tgt Ion: 88 Resp: 1170
Ion Ratio Lower Upper
88 100
58 69.4 97.8 146.8#
43 27.4 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: 0.310 ng

RT: 3.58 min Scan# 93

Delta R.T. 0.00 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

Instrument :

BNA_N

ClientSampleId :

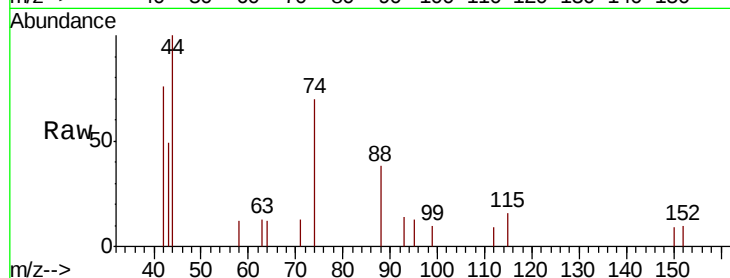
Tot Ion: 42 Resp: 828

Ion Ratio Lower Upper

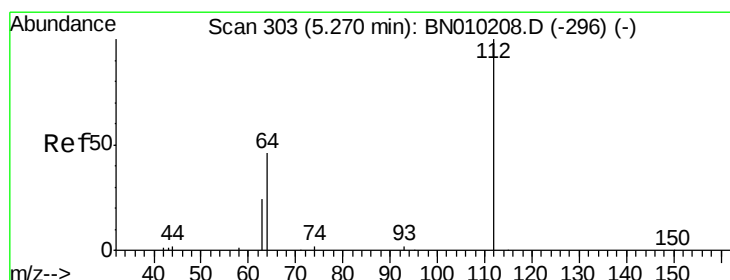
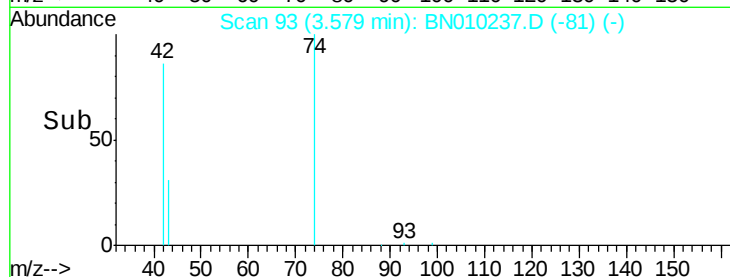
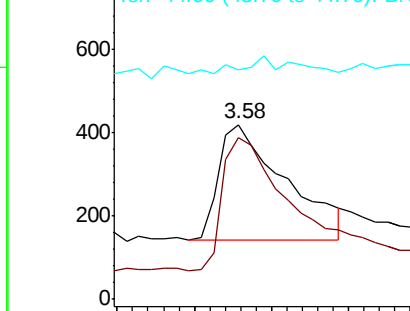
42 100

74 116.3 51.2 76.8#

44 14.6 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: 0.316 ng

RT: 5.26 min Scan# 302

Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

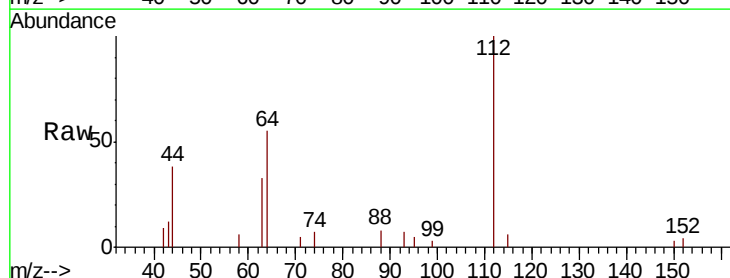
Tgt Ion: 112 Resp: 2296

Ion Ratio Lower Upper

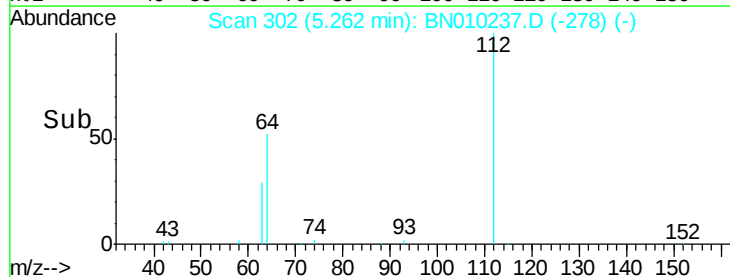
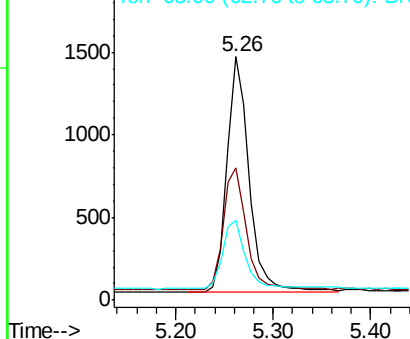
112 100

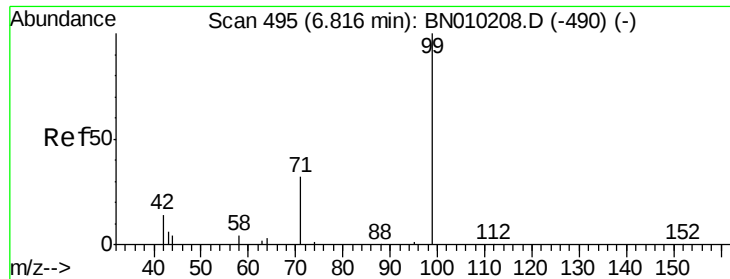
64 53.9 42.6 63.8

63 29.1 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: 0.326 ng

RT: 6.81 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

Instrument :

BNA_N

ClientSampleId :

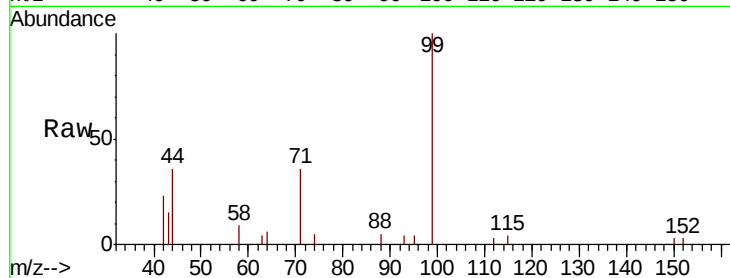
Tot Ion: 99 Resp: 2957

Ion Ratio Lower Upper

99 100

42 19.6 12.0 18.0#

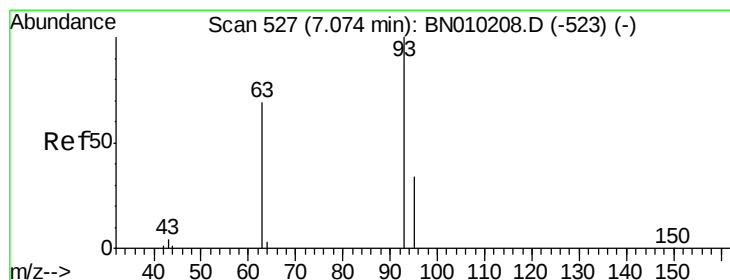
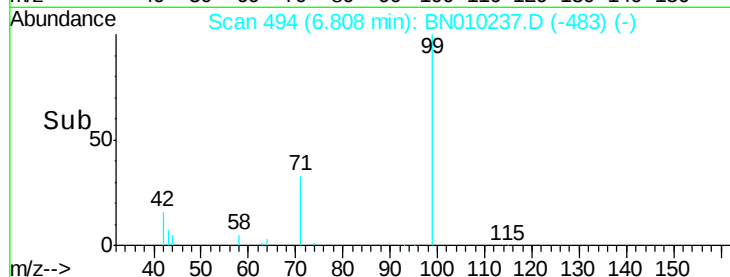
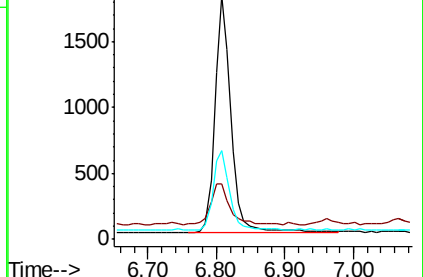
71 34.4 22.6 33.8#



Abundance Ion 99.00 (98.70 to 99.70): BN010208.D (-490) (-)

Ion 42.00 (41.70 to 42.70): BN010208.D (-490) (-)

Ion 71.00 (70.70 to 71.70): BN010208.D (-490) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.380 ng

RT: 7.07 min Scan# 526

Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

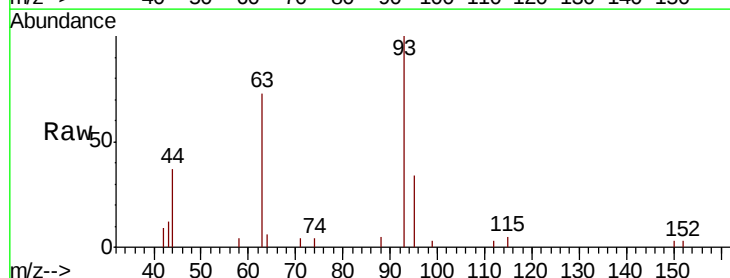
Tgt Ion: 93 Resp: 2876

Ion Ratio Lower Upper

93 100

63 70.1 53.4 80.0

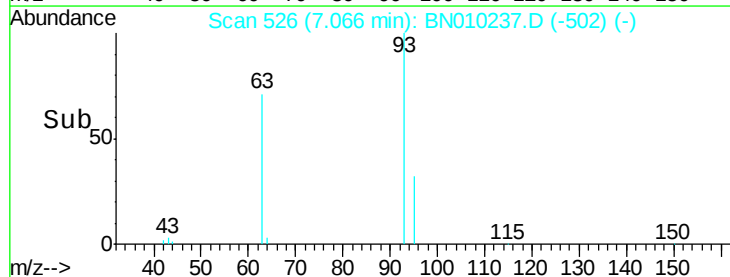
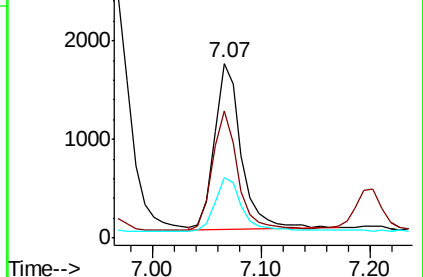
95 32.5 28.6 42.8

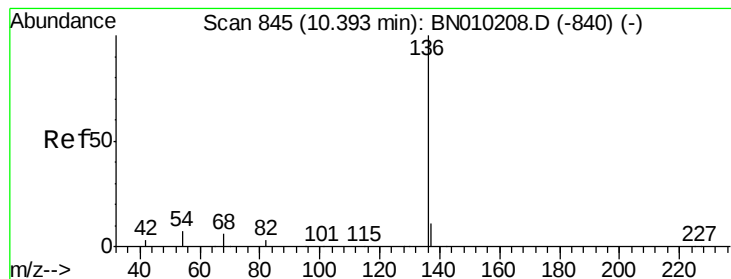


Abundance Ion 93.00 (92.70 to 93.70): BN010208.D (-523) (-)

Ion 63.00 (62.70 to 63.70): BN010208.D (-523) (-)

Ion 95.00 (94.70 to 95.70): BN010208.D (-523) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.39 min Scan# 845

Delta R.T. -0.00 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 10603

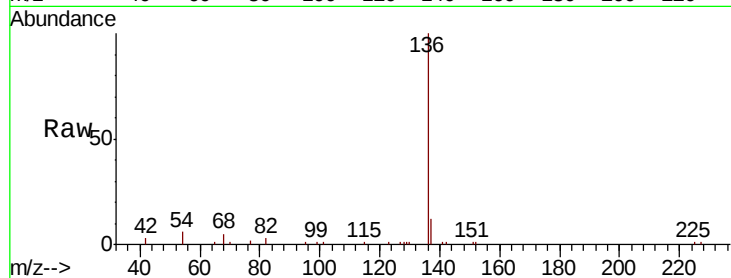
Ion Ratio Lower Upper

136 100

137 11.7 10.6 15.8

54 5.8 9.5 14.3#

68 5.0 9.7 14.5#

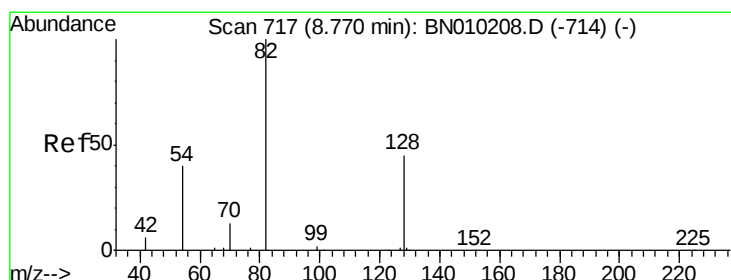
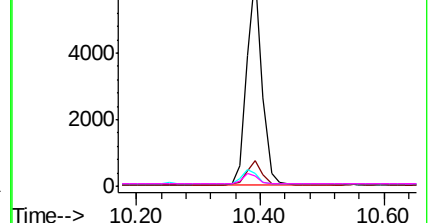
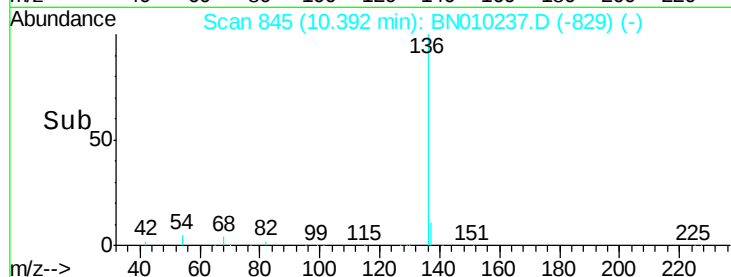


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.391 ng

RT: 8.76 min Scan# 716

Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

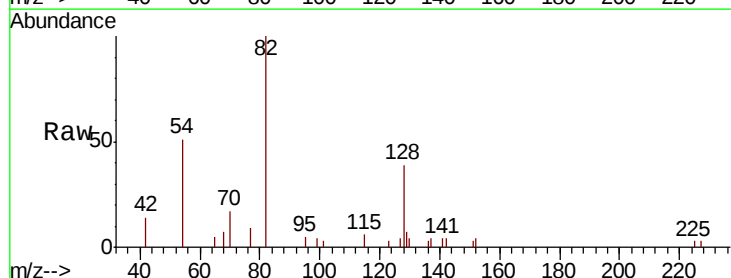
Tgt Ion: 82 Resp: 2489

Ion Ratio Lower Upper

82 100

128 39.1 35.0 52.6

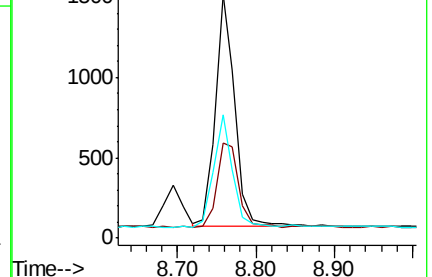
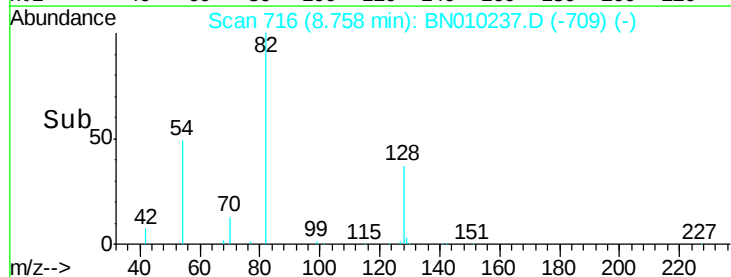
54 50.8 37.0 55.4

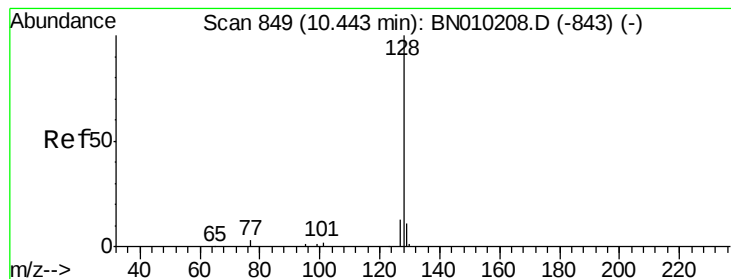


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.393 ng

RT: 10.44 min Scan# 849

Delta R.T. -0.00 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

Instrument :

BNA_N

ClientSampleId :

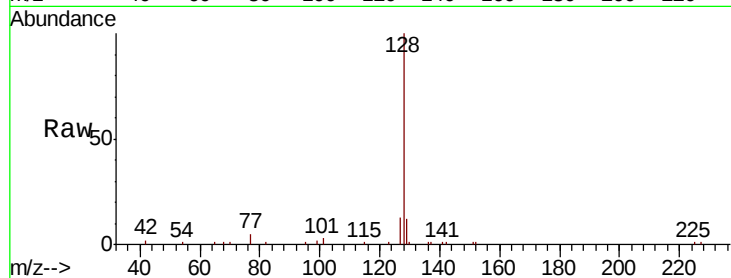
Tot Ion:128 Resp: 10428

Ion Ratio Lower Upper

128 100

129 12.0 10.5 15.7

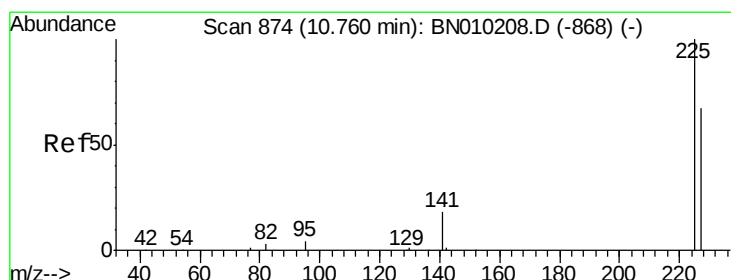
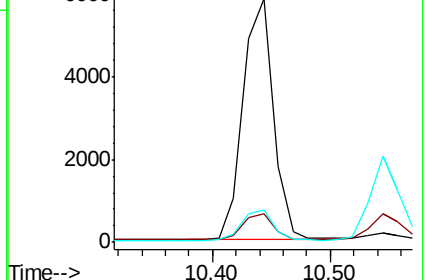
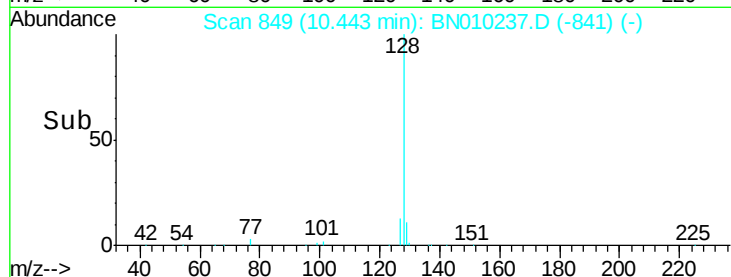
127 13.3 12.1 18.1



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: 0.433 ng

RT: 10.75 min Scan# 873

Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

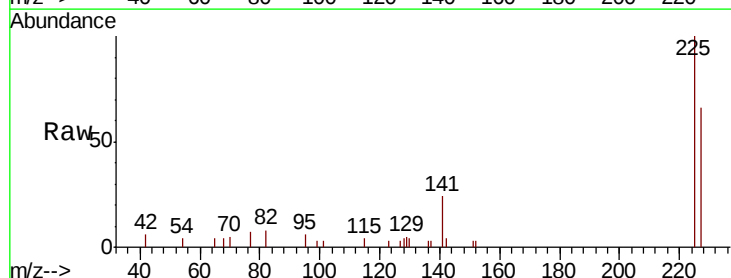
Tgt Ion:225 Resp: 2648

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

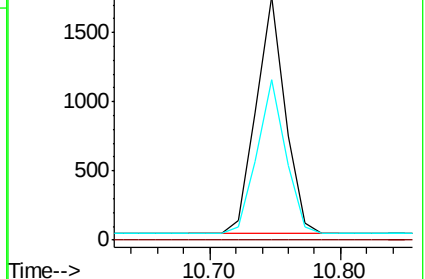
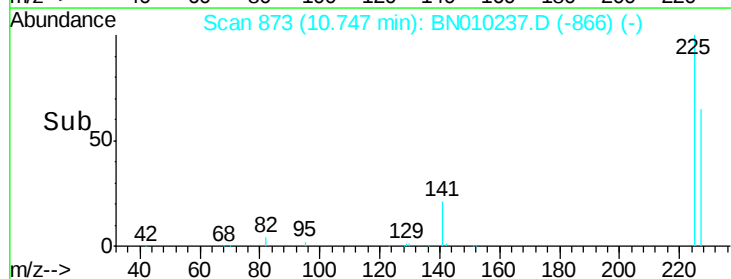
227 64.5 53.4 80.2

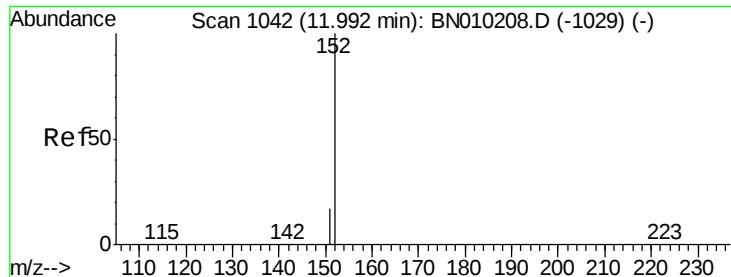


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

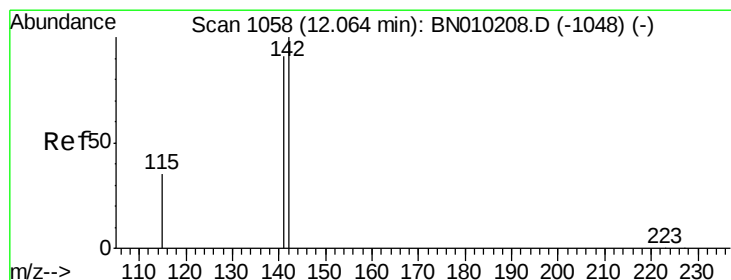
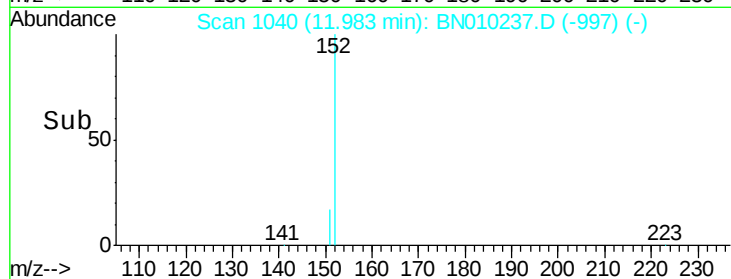
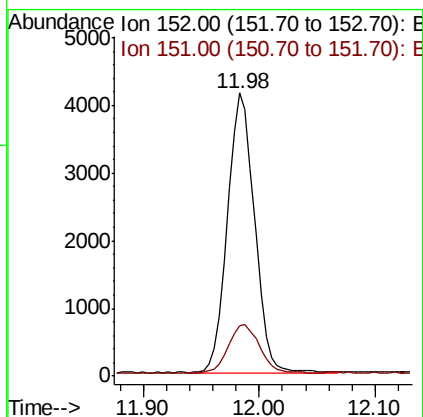
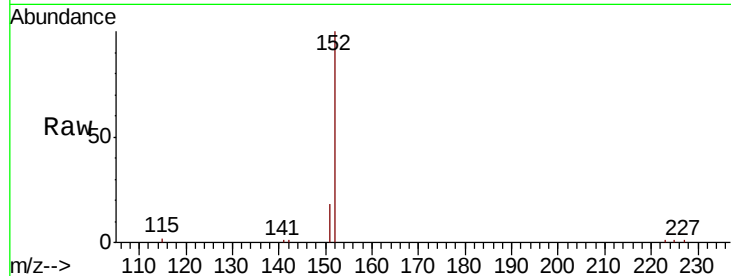




#11
2-Methylnaphthalene-d10
Concen: 0.376 ng
RT: 11.98 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BN010237.D
Acq: 17 Mar 2020 13:34

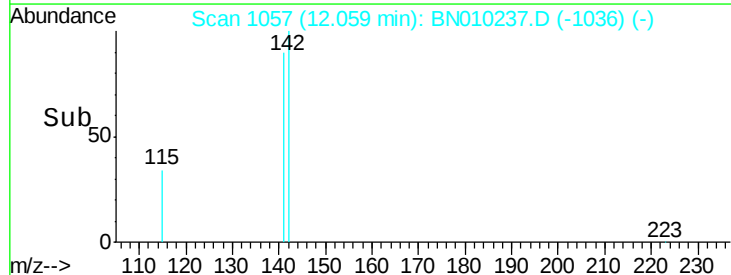
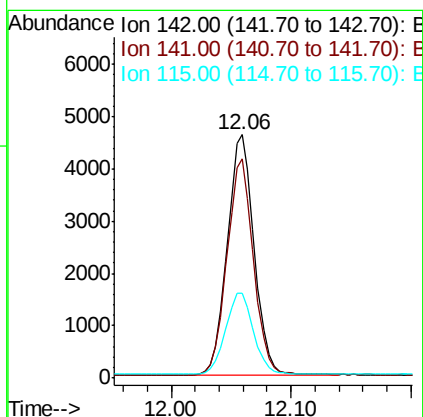
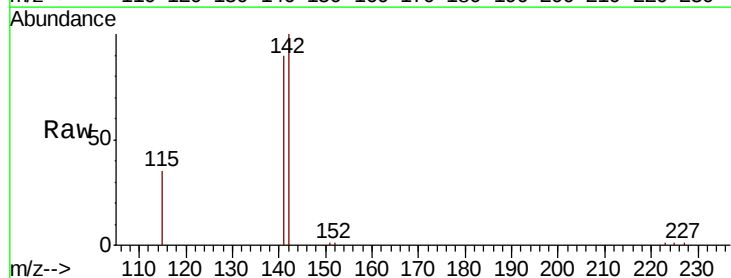
Instrument :
BNA_N
ClientSampleId :

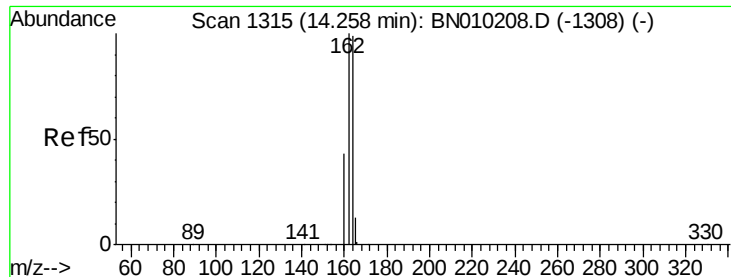
Tot Ion:152 Resp: 6580
Ion Ratio Lower Upper
152 100
151 19.7 15.0 22.6



#12
2-Methylnaphthalene
Concen: 0.376 ng
RT: 12.06 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BN010237.D
Acq: 17 Mar 2020 13:34

Tgt Ion:142 Resp: 7166
Ion Ratio Lower Upper
142 100
141 89.8 73.7 110.5
115 35.0 31.2 46.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.25 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

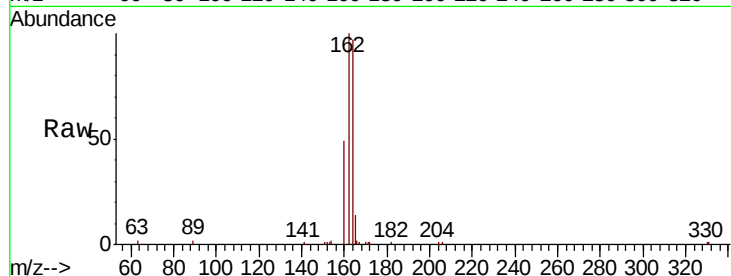
Instrument :

BNA_N

ClientSampleId :

Tot Ion:164 Resp: 6303

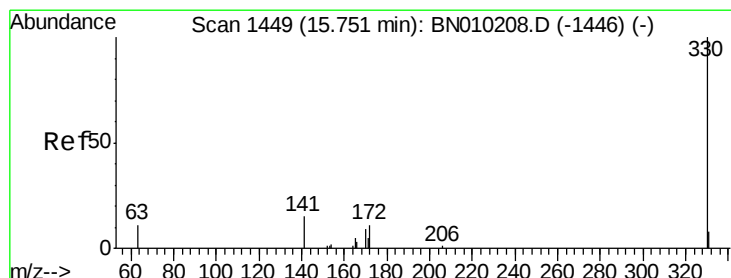
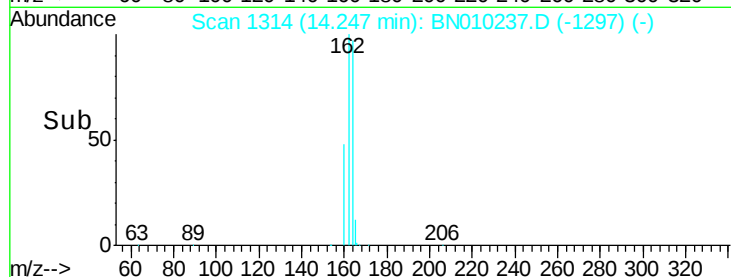
Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.0	121.4
160	50.2	35.6	53.4



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: 0.334 ng

RT: 15.74 min Scan# 1448

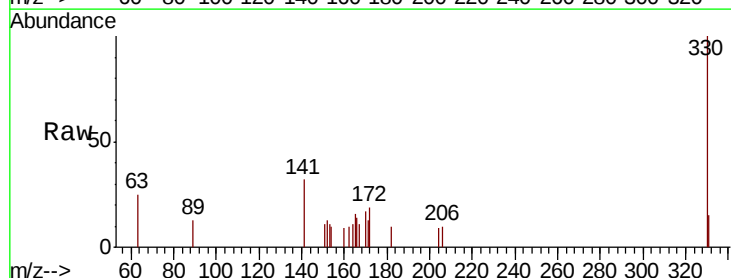
Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

Tgt Ion:330 Resp: 754

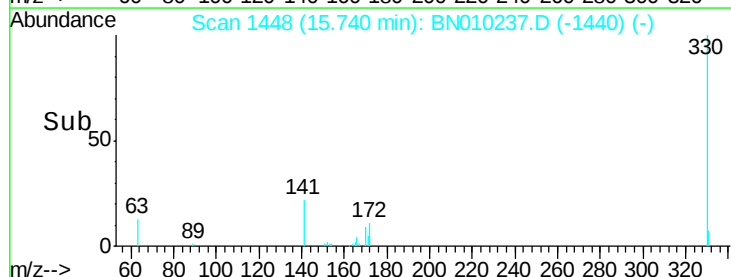
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.0	25.1	37.7

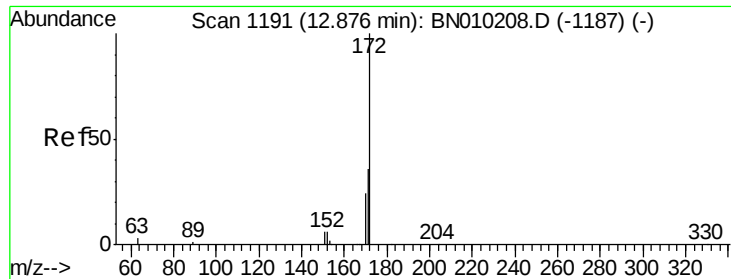


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

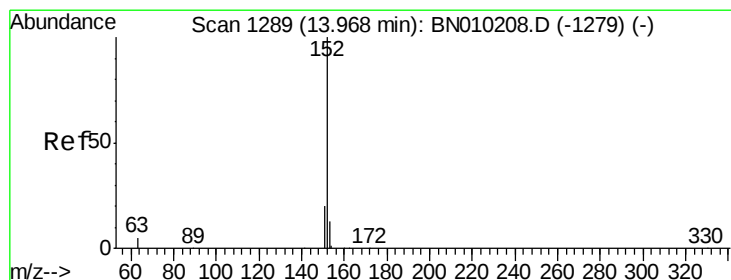
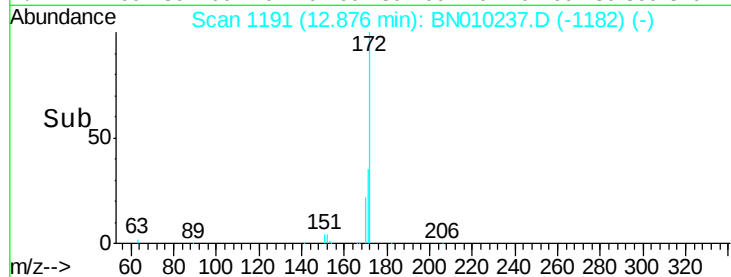
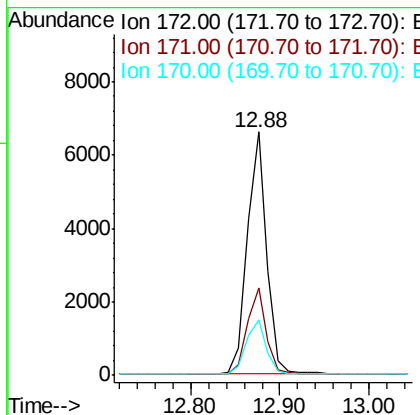
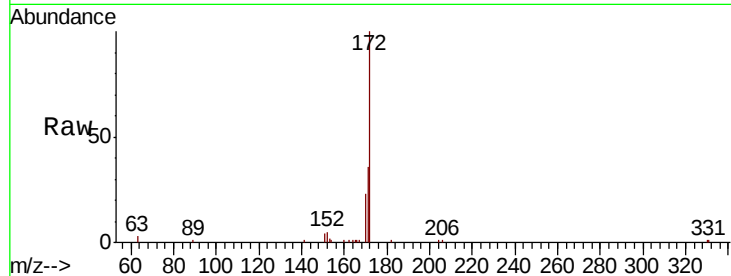




#15
2-Fluorobiphenyl
Concen: 0.441 ng
RT: 12.88 min Scan# 1191
Delta R.T. -0.00 min
Lab File: BN010237.D
Acq: 17 Mar 2020 13:34

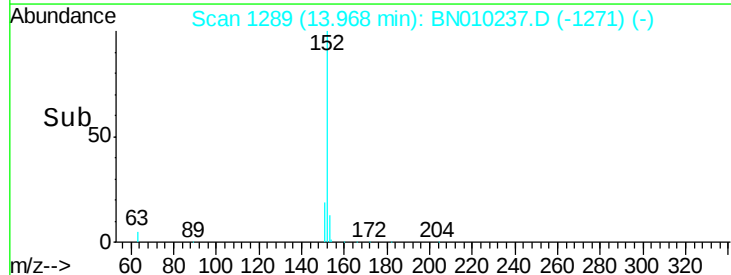
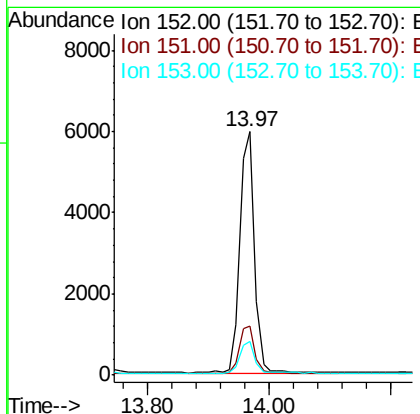
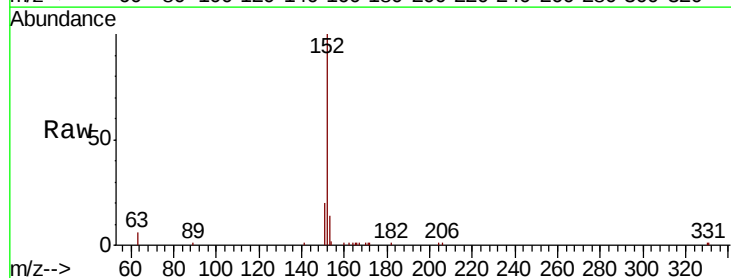
Instrument :
BNA_N
ClientSampleId :

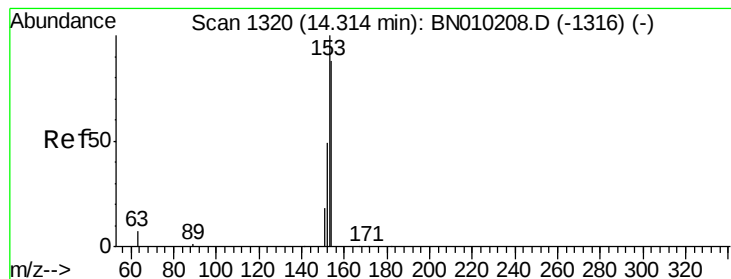
Tot Ion:172 Resp: 9899
Ion Ratio Lower Upper
172 100
171 35.8 29.4 44.2
170 22.8 20.2 30.4



#16
Acenaphthylene
Concen: 0.341 ng
RT: 13.97 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BN010237.D
Acq: 17 Mar 2020 13:34

Tgt Ion:152 Resp: 9919
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 13.2 10.6 16.0





#17

Acenaphthene

Concen: 0.386 ng

RT: 14.31 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

Instrument :

BNA_N

ClientSampleId :

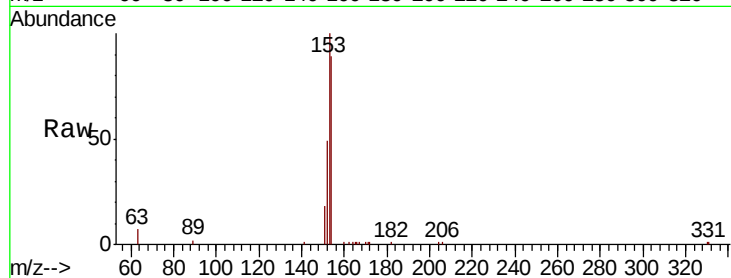
Tot Ion:154 Resp: 6808

Ion Ratio Lower Upper

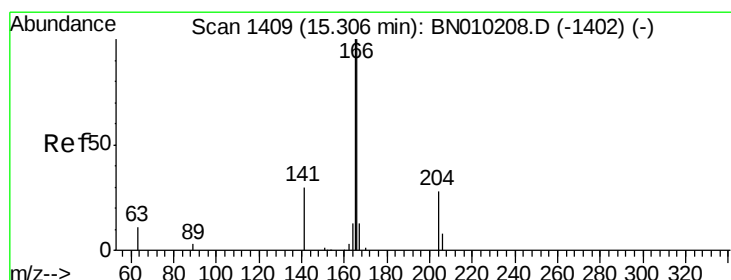
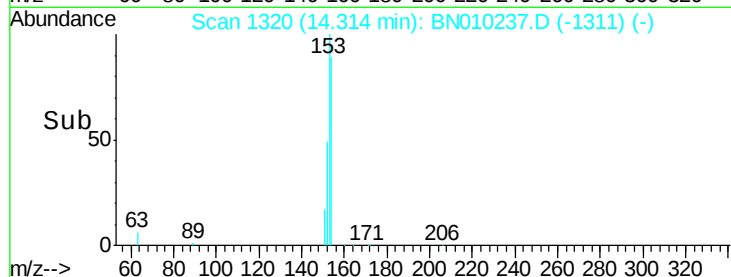
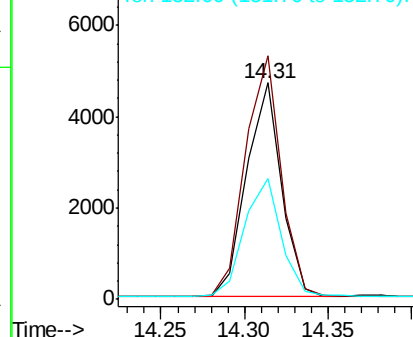
154 100

153 115.0 90.3 135.5

152 58.1 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: 0.387 ng

RT: 15.31 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

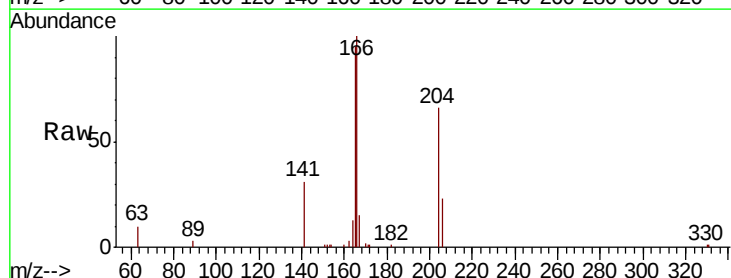
Tgt Ion:166 Resp: 9306

Ion Ratio Lower Upper

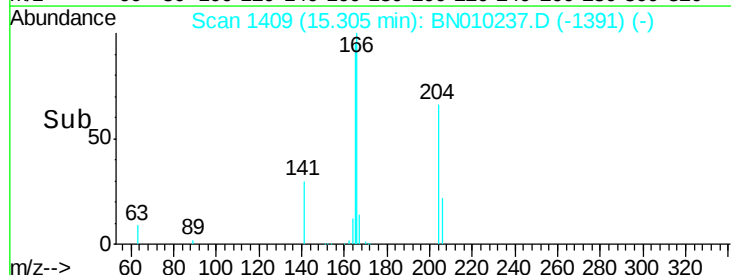
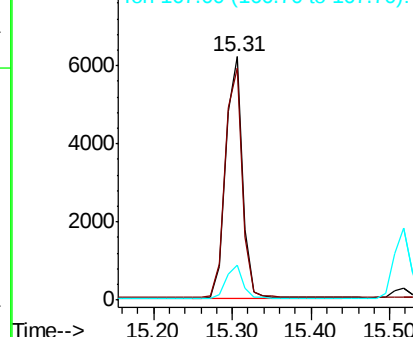
166 100

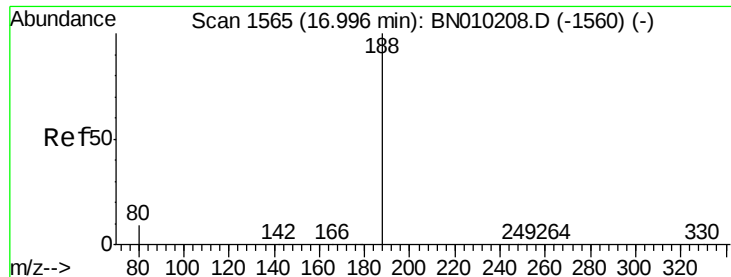
165 97.2 78.3 117.5

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: 17.00 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

Instrument :

BNA_N

ClientSampled :

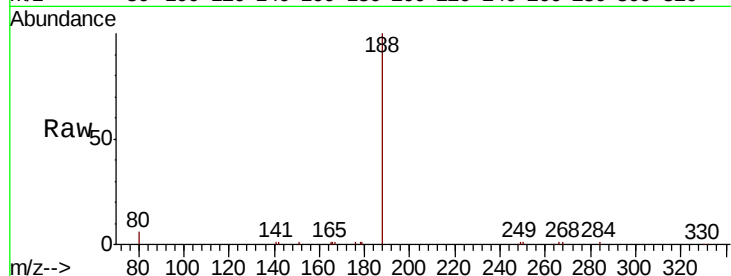
Tot Ion:188 Resp: 14964

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

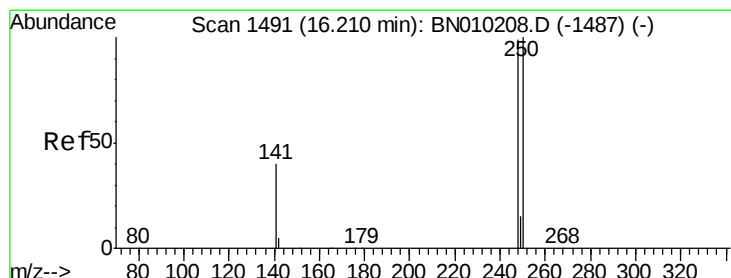
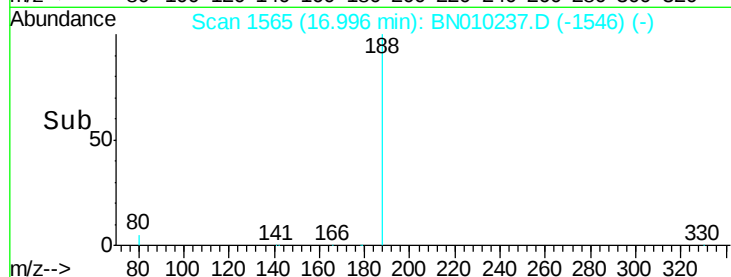
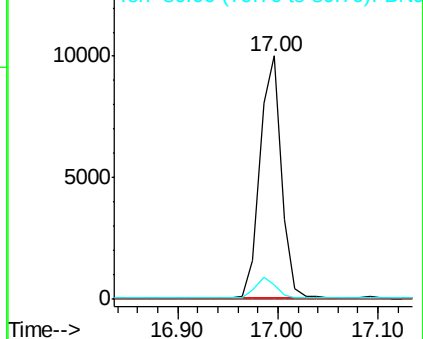
80 6.1 8.6 12.8#



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: 0.407 ng

RT: 16.20 min Scan# 1490

Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

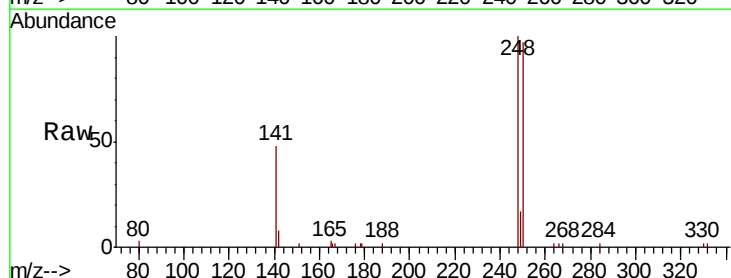
Tgt Ion:248 Resp: 3498

Ion Ratio Lower Upper

248 100

250 97.1 81.2 121.8

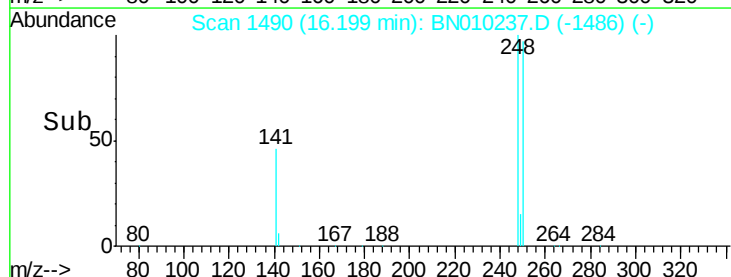
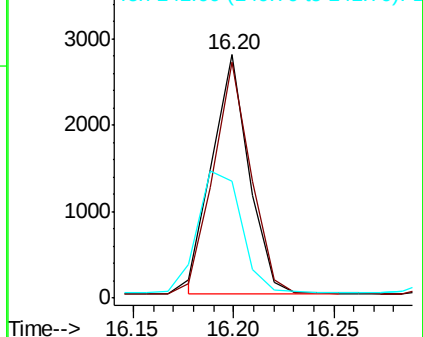
141 47.8 36.7 55.1

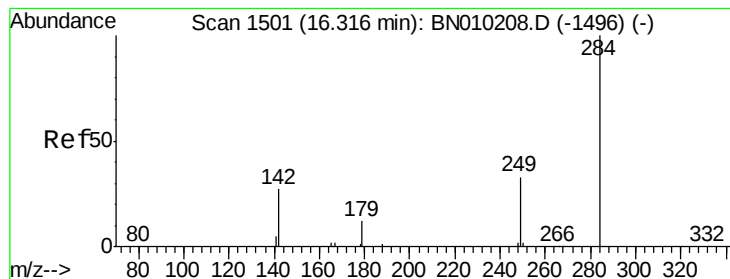


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.453 ng

RT: 16.31 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

Instrument :

BNA_N

ClientSampleId :

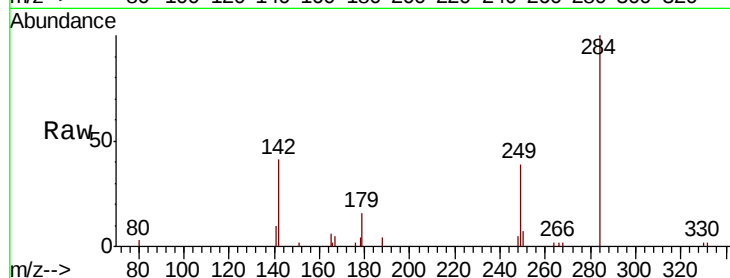
Tot Ion:284 Resp: 3798

Ion Ratio Lower Upper

284 100

142 33.7 27.8 41.6

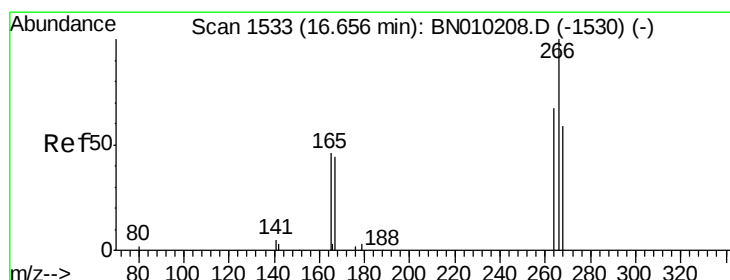
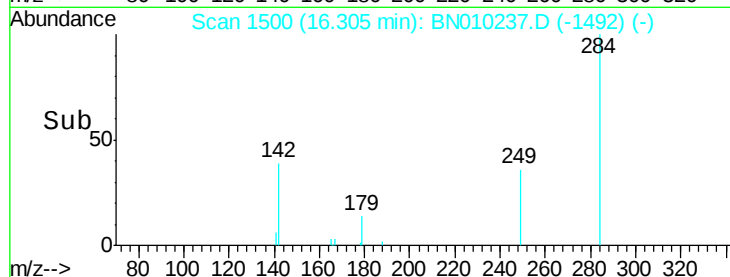
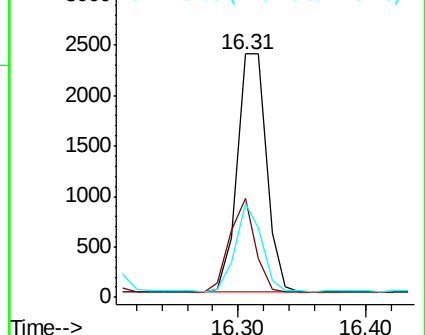
249 32.6 26.6 39.8



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: 0.324 ng

RT: 16.65 min Scan# 1532

Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

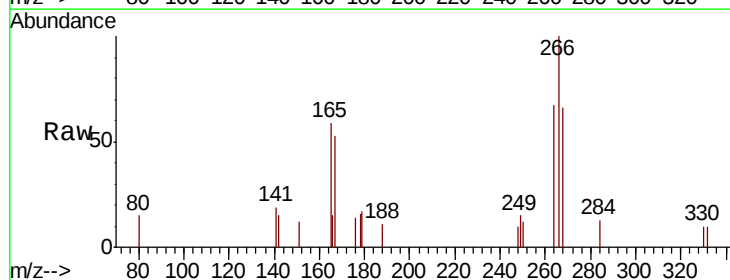
Tgt Ion:266 Resp: 839

Ion Ratio Lower Upper

266 100

264 66.5 56.2 84.2

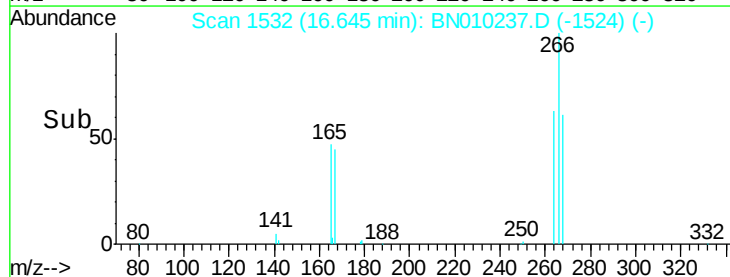
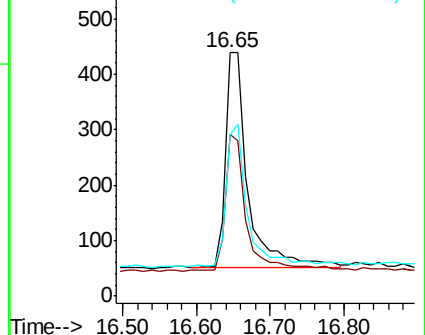
268 66.3 61.4 92.2

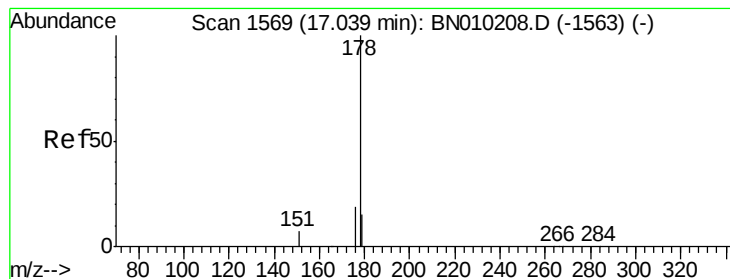


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.404 ng

RT: 17.03 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

Instrument :

BNA_N

ClientSampleId :

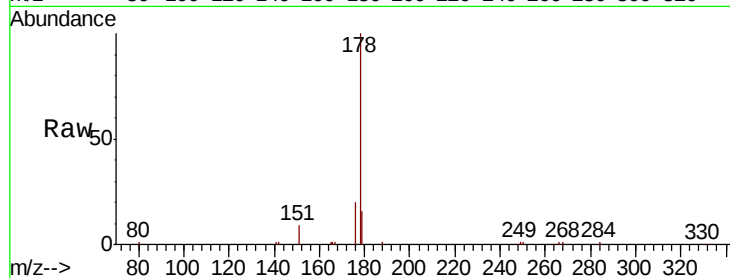
Tot Ion:178 Resp: 16021

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

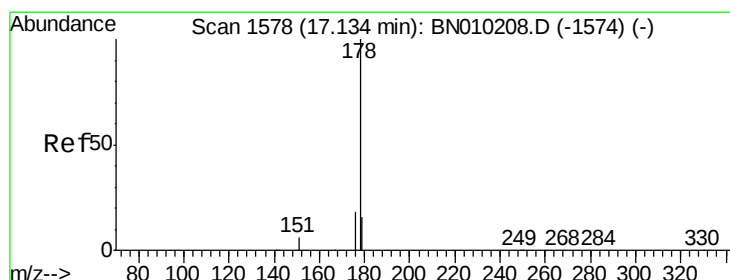
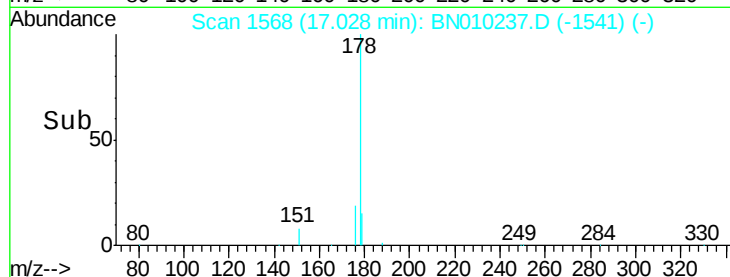
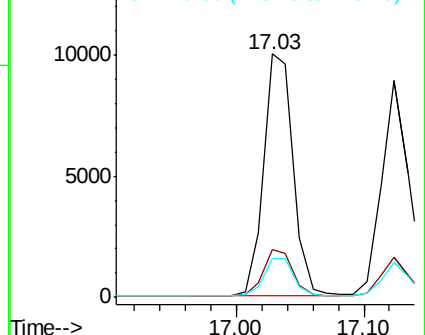
179 15.7 12.5 18.7



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: 0.338 ng

RT: 17.12 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

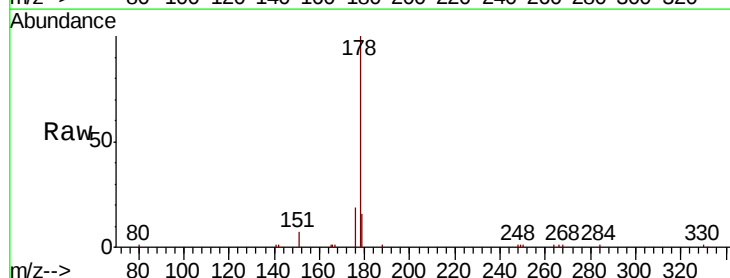
Tgt Ion:178 Resp: 13360

Ion Ratio Lower Upper

178 100

176 17.9 14.6 22.0

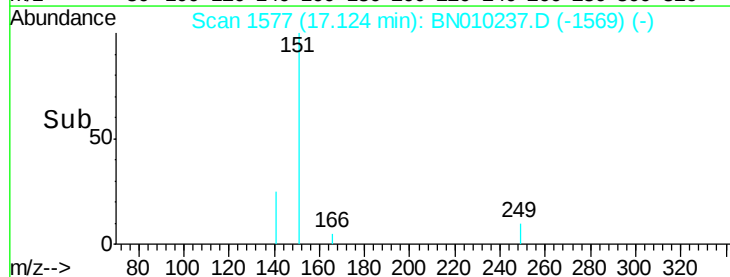
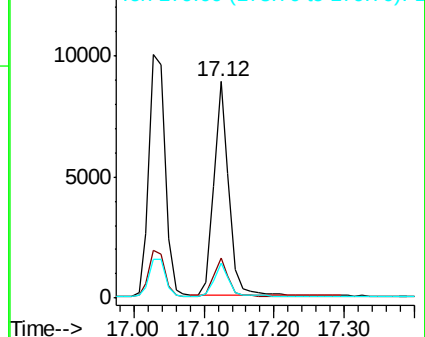
179 15.6 12.5 18.7

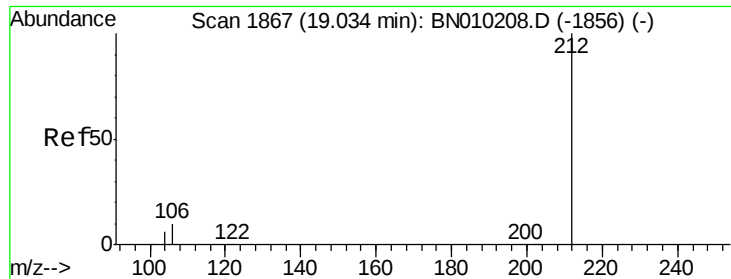


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.375 ng

RT: 19.03 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

Instrument :

BNA_N

ClientSampleId :

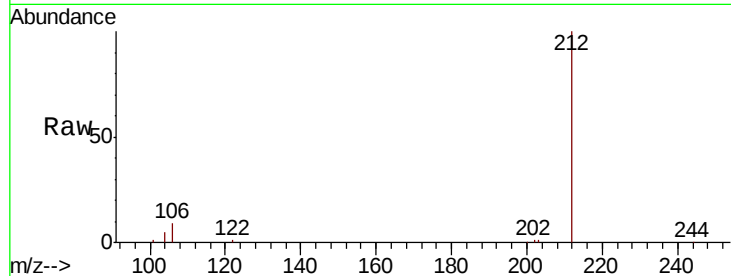
Tot Ion:212 Resp: 17325

Ion Ratio Lower Upper

212 100

106 9.4 8.1 12.1

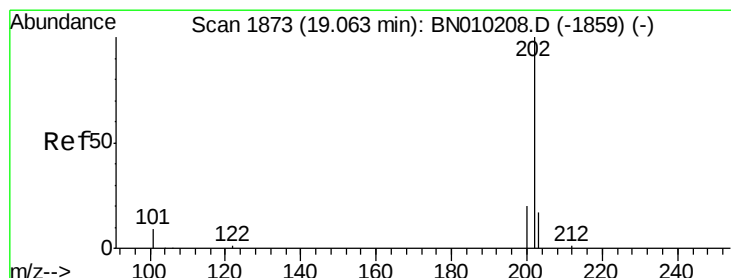
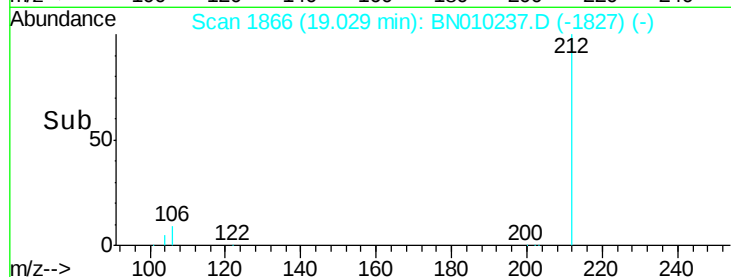
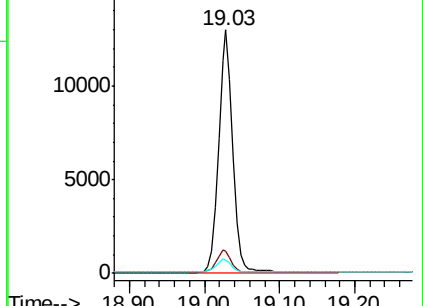
104 5.2 4.7 7.1



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: 0.388 ng

RT: 19.06 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

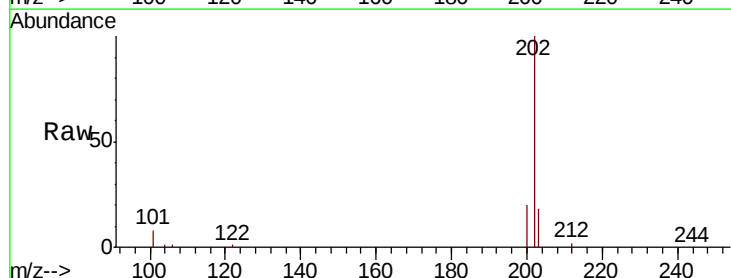
Tgt Ion:202 Resp: 19493

Ion Ratio Lower Upper

202 100

101 8.1 7.0 10.6

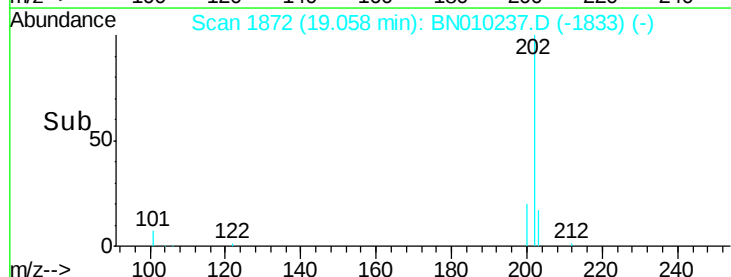
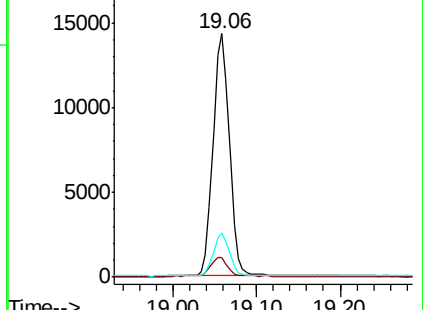
203 17.4 13.9 20.9

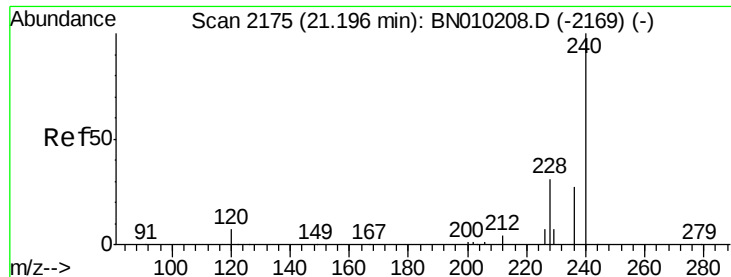


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

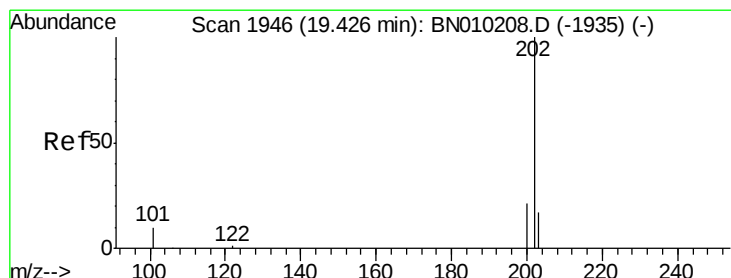
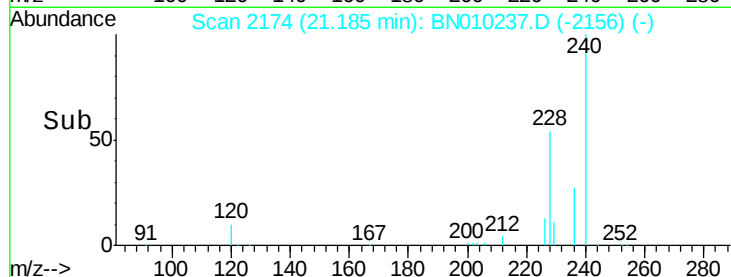
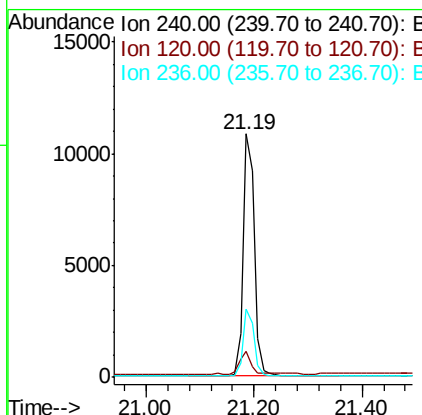
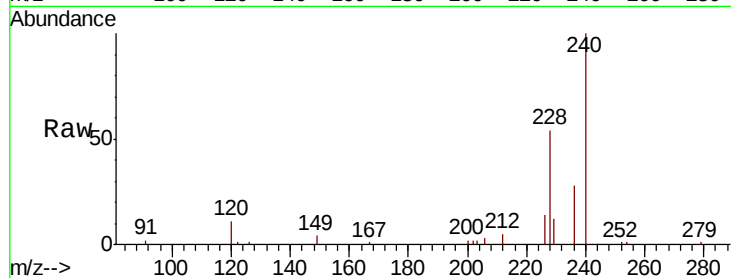




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.19 min Scan# 2174
 Delta R.T. -0.01 min
 Lab File: BN010237.D
 Acq: 17 Mar 2020 13:34

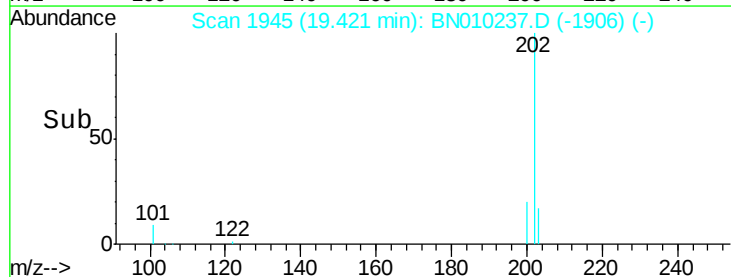
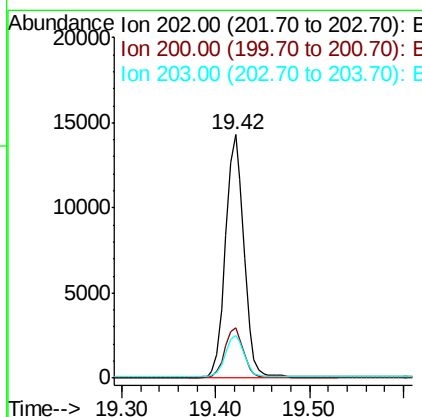
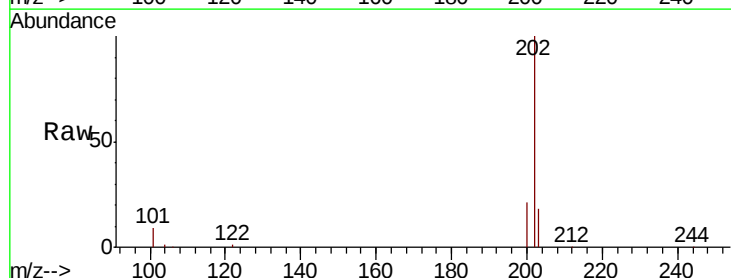
Instrument :
 BNA_N
 ClientSampleId :

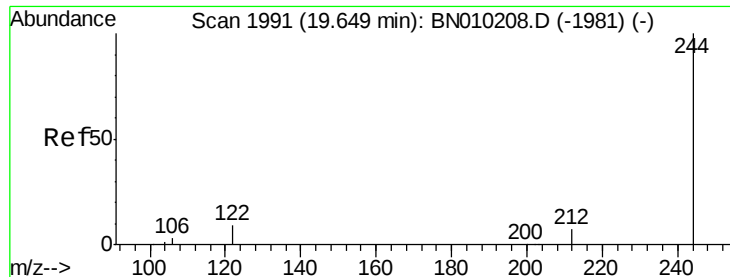
Tot Ion:240 Resp: 15602
 Ion Ratio Lower Upper
 240 100
 120 10.8 7.7 11.5
 236 28.0 21.8 32.6



#28
 Pyrene
 Concen: 0.371 ng
 RT: 19.42 min Scan# 1945
 Delta R.T. -0.01 min
 Lab File: BN010237.D
 Acq: 17 Mar 2020 13:34

Tgt Ion:202 Resp: 19357
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.6 24.8
 203 17.5 14.1 21.1





#29

Terphenyl-d14

Concen: 0.384 ng

RT: 19.64 min Scan# 1989

Delta R.T. -0.01 min

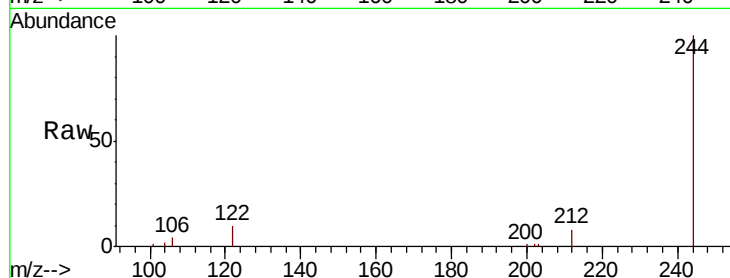
Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

Instrument :

BNA_N

ClientSampleId :



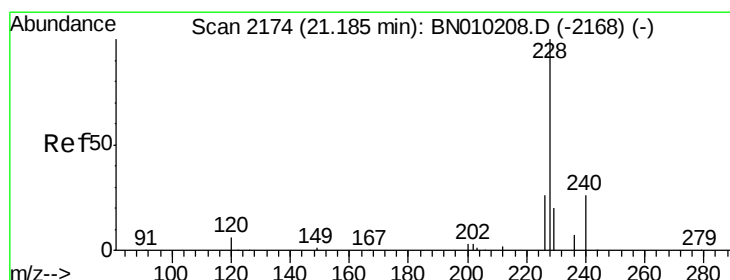
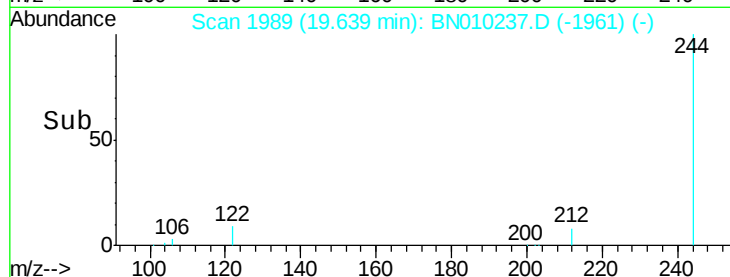
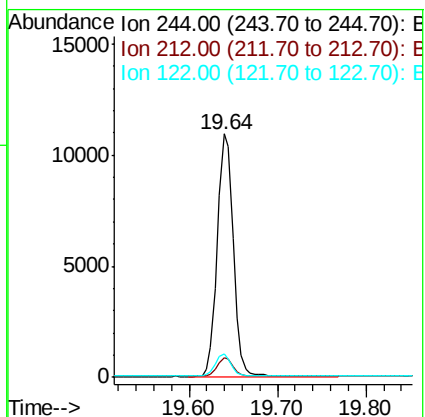
Tot Ion:244 Resp: 13646

Ion Ratio Lower Upper

244 100

212 8.2 6.4 9.6

122 9.9 8.1 12.1



#30

Benzo(a)anthracene

Concen: 0.340 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

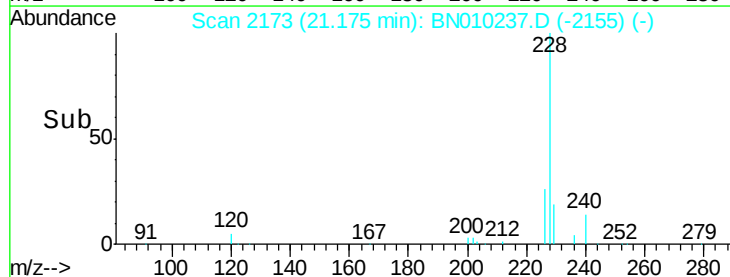
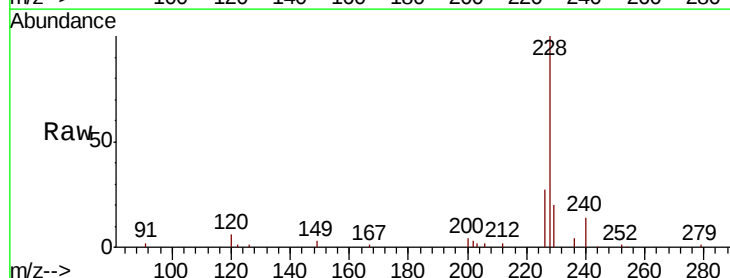
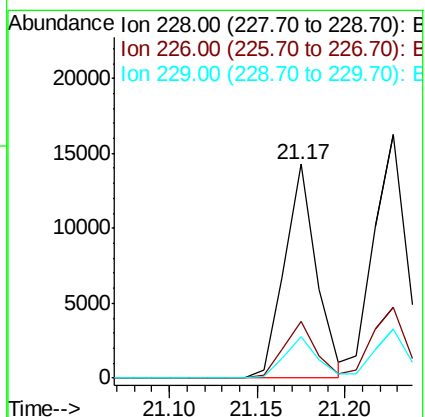
Tgt Ion:228 Resp: 18018

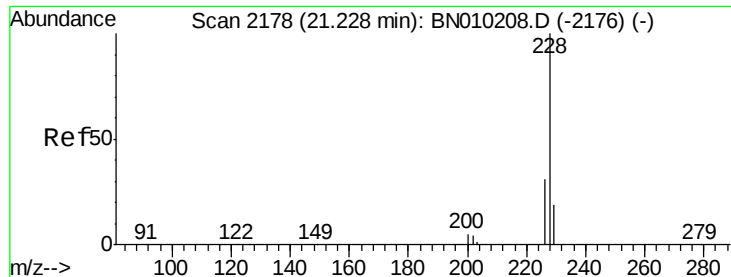
Ion Ratio Lower Upper

228 100

226 26.5 21.1 31.7

229 19.5 16.2 24.4





#31

Chrysene

Concen: 0.409 ng

RT: 21.23 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

Instrument :

BNA_N

ClientSampleId :

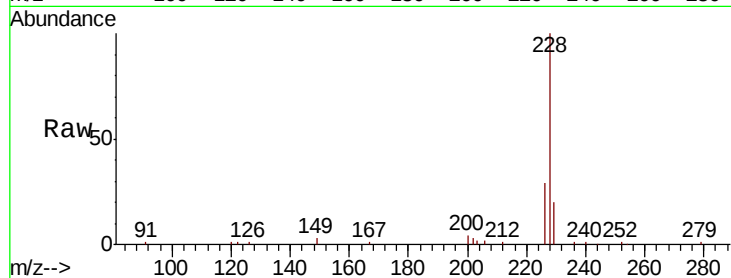
Tot Ion:228 Resp: 21344

Ion Ratio Lower Upper

228 100

226 28.9 25.0 37.4

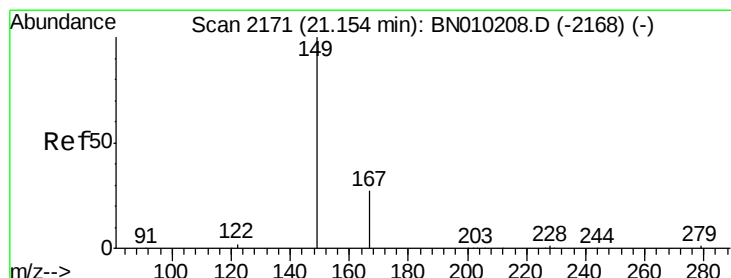
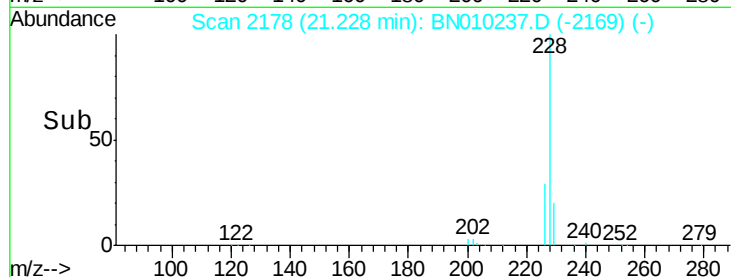
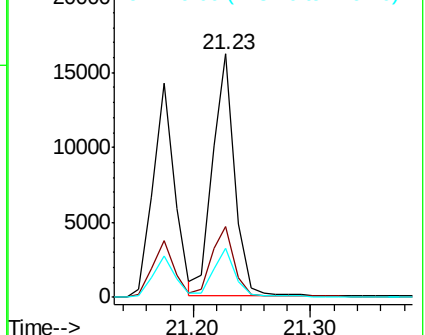
229 20.0 15.7 23.5



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: BN010237.D

Acq: 17 Mar 2020 13:34

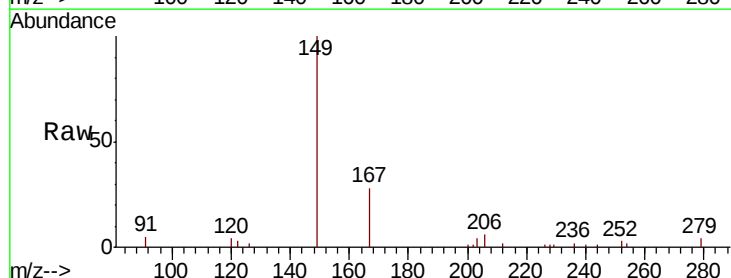
Tgt Ion:149 Resp: 4476

Ion Ratio Lower Upper

149 100

167 28.3 21.0 31.4

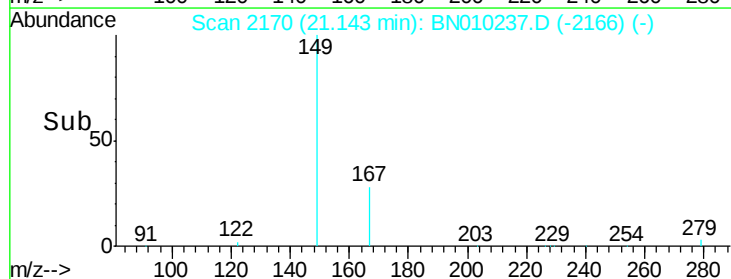
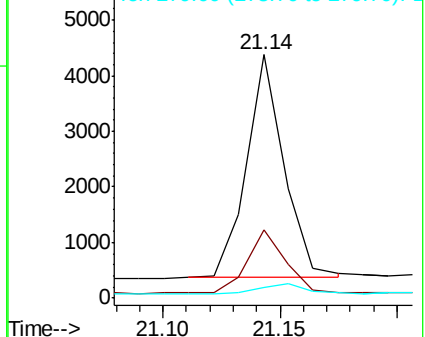
279 5.0 3.1 4.7#

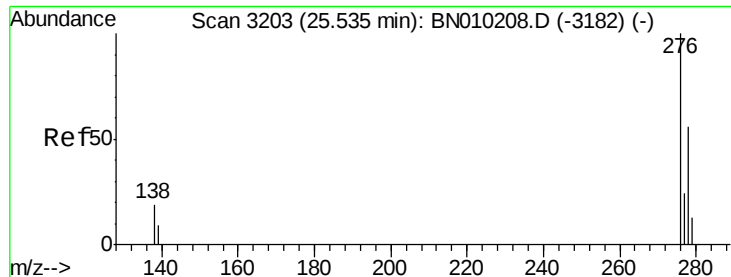


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

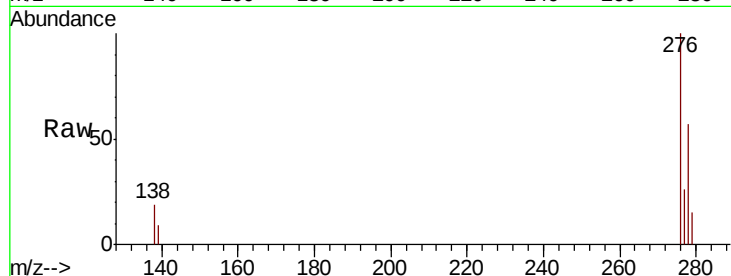




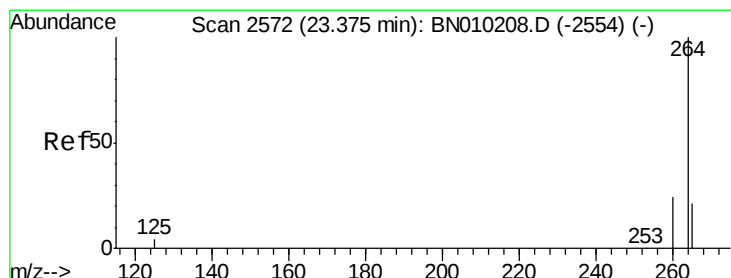
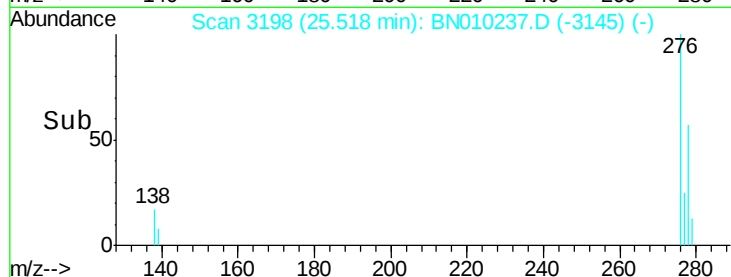
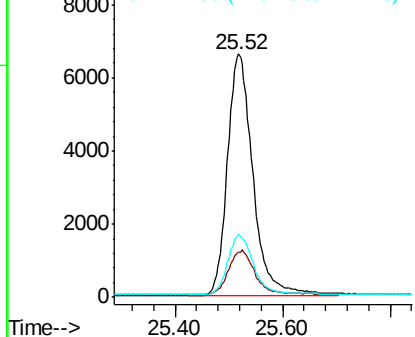
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.353 ng
 RT: 25.52 min Scan# 3198
 Delta R.T. -0.02 min
 Lab File: BN010237.D
 Acq: 17 Mar 2020 13:34

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 21866
 Ion Ratio Lower Upper
 276 100
 138 18.7 15.8 23.6
 277 24.9 19.3 28.9

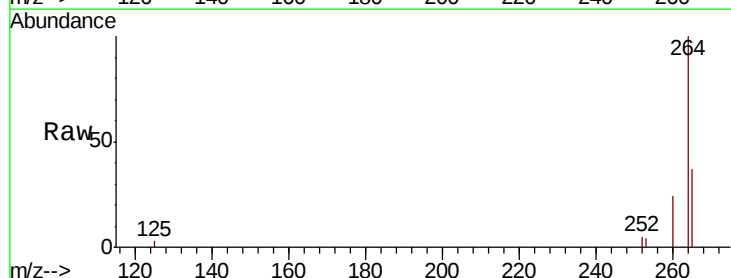


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

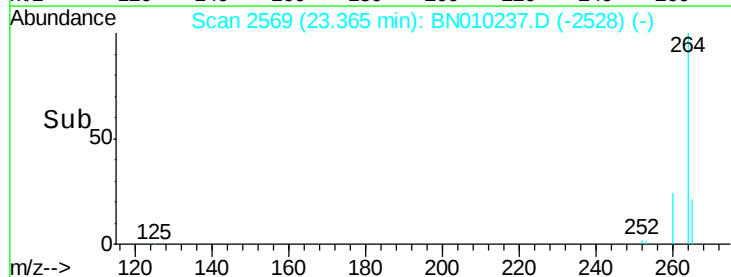
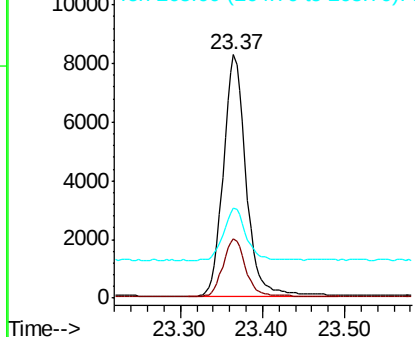


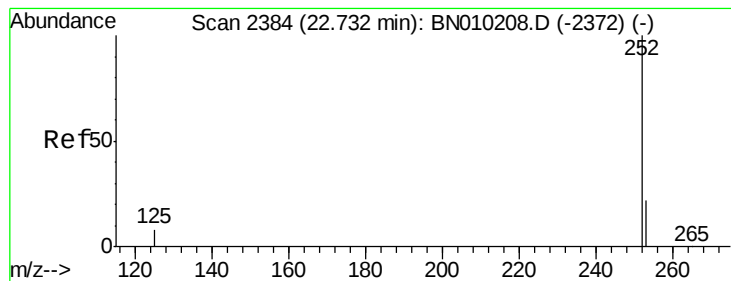
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.37 min Scan# 2569
 Delta R.T. -0.01 min
 Lab File: BN010237.D
 Acq: 17 Mar 2020 13:34

Tgt Ion:264 Resp: 15850
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.7 29.5
 265 36.7 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: 0.409 ng

RT: 22.72 min Scan# 2381

Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

Instrument :

BNA_N

ClientSampleId :

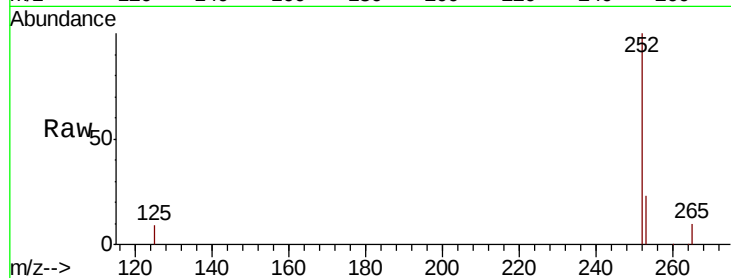
Tot Ion:252 Resp: 19929

Ion Ratio Lower Upper

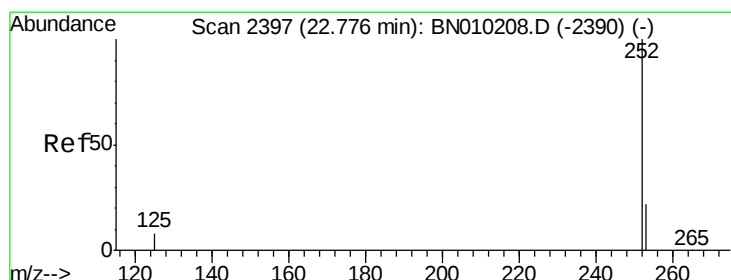
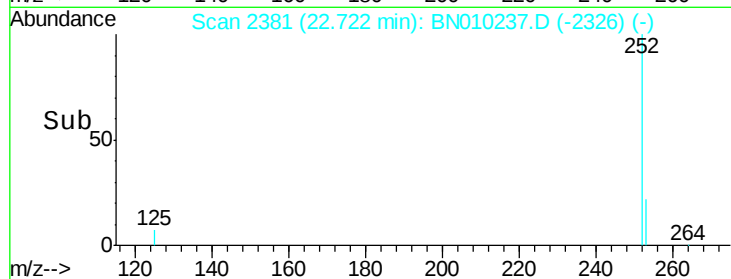
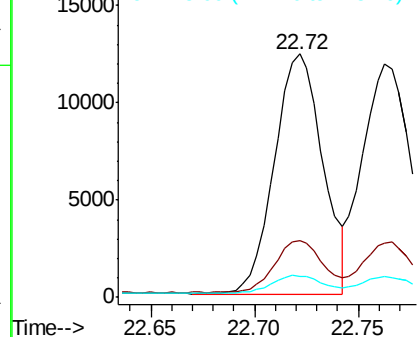
252 100

253 23.5 18.6 28.0

125 8.8 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: 0.423 ng

RT: 22.76 min Scan# 2393

Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

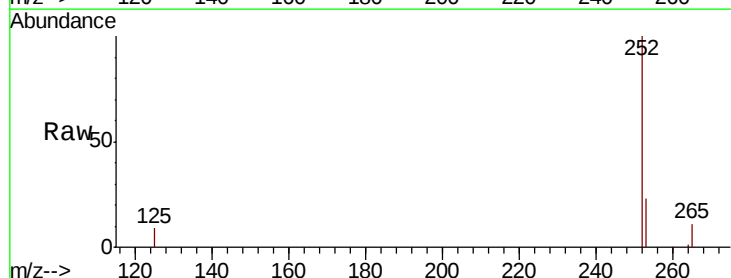
Tgt Ion:252 Resp: 20856

Ion Ratio Lower Upper

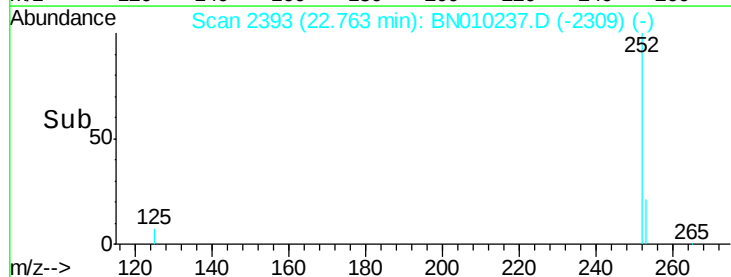
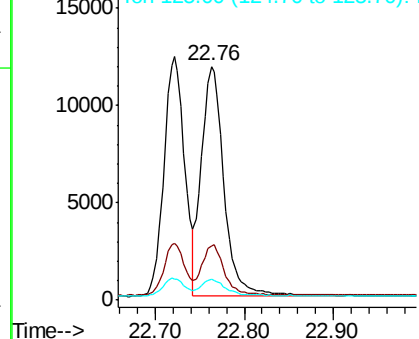
252 100

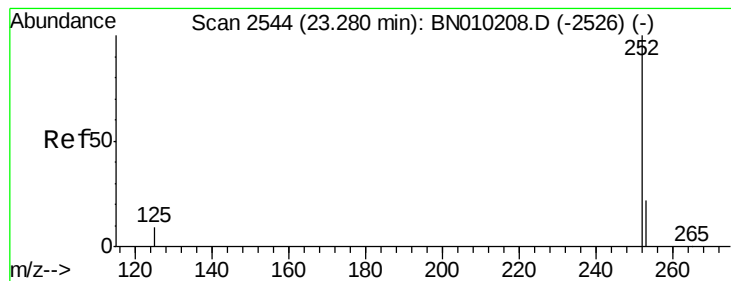
253 23.0 18.8 28.2

125 8.9 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: 0.368 ng

RT: 23.27 min Scan# 2542

Delta R.T. -0.01 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

Instrument :

BNA_N

ClientSampled :

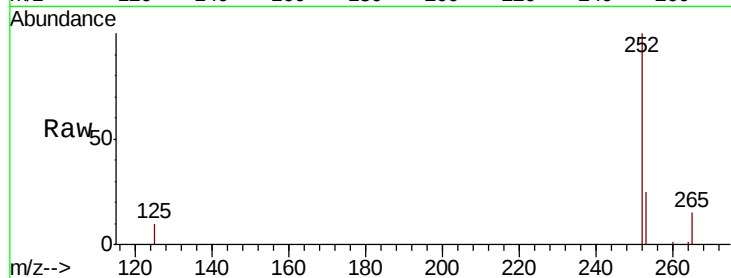
Tot Ion:252 Resp: 16933

Ion Ratio Lower Upper

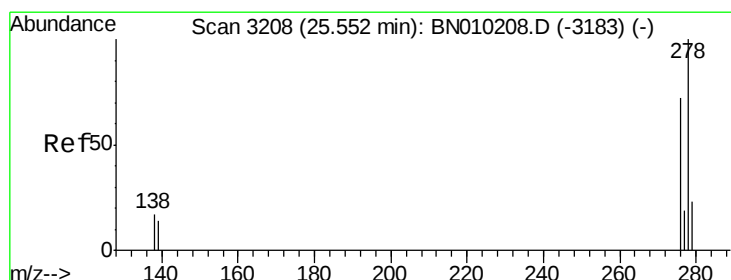
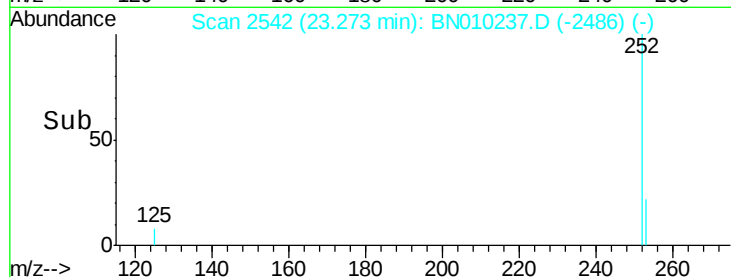
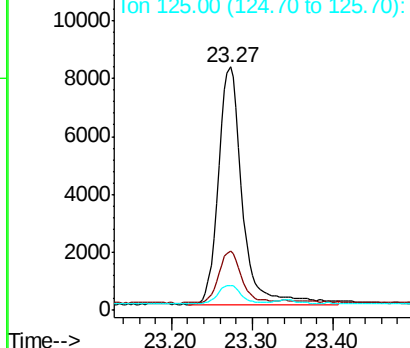
252 100

253 24.6 19.1 28.7

125 10.2 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: 0.394 ng

RT: 25.54 min Scan# 3203

Delta R.T. -0.02 min

Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

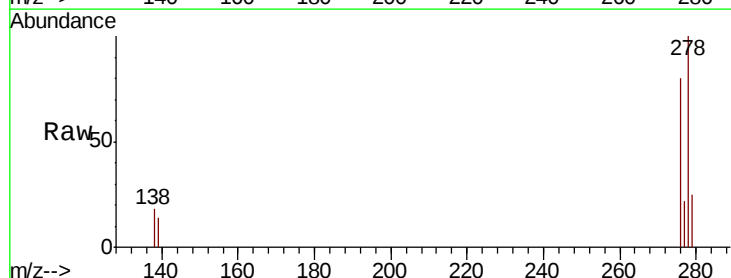
Tgt Ion:278 Resp: 18187

Ion Ratio Lower Upper

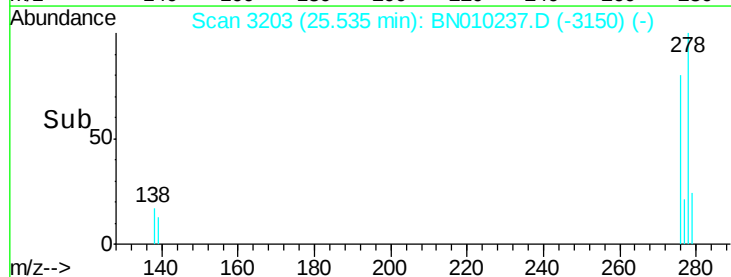
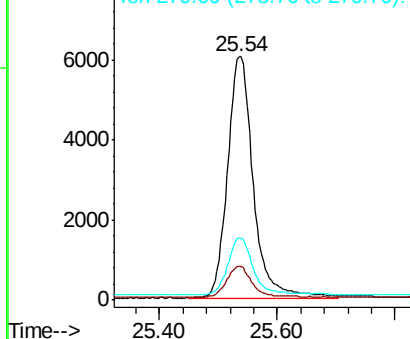
278 100

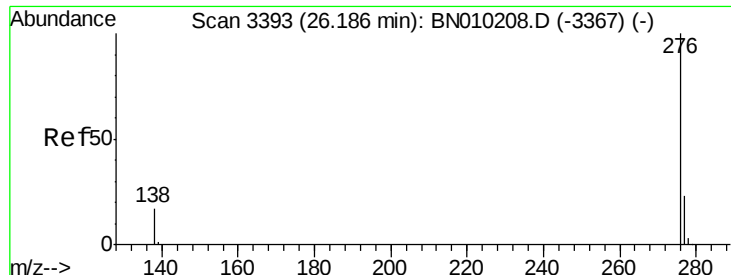
139 13.7 12.4 18.6

279 25.4 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: 0.407 ng

RT: 26.16 min Scan# 3387

Delta R.T. -0.02 min

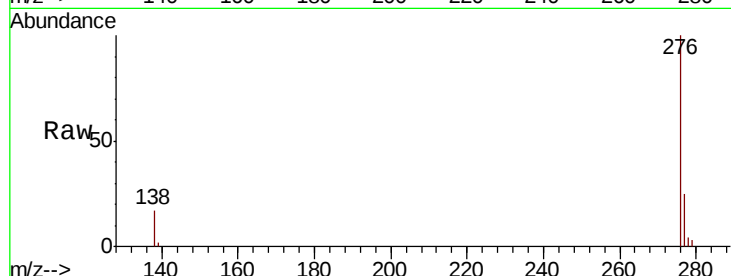
Lab File: BN010237.D

Acq: 17 Mar 2020 13:34

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 18770

Ion Ratio Lower Upper

276 100

277 24.5 19.4 29.2

138 17.2 15.4 23.2

Abundance Ion 276.00 (275.70 to 276.70): E
 8000 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

