

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031720\
 Data File : BN010231.D
 Acq On : 17 Mar 2020 09:40
 Operator : CG/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 17 13:10:22 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	3172	0.40	ng	0.00
7) Naphthalene-d8	10.39	136	10908	0.40	ng	0.00
13) Acenaphthene-d10	14.25	164	6664	0.40	ng	-0.01
19) Phenanthrene-d10	17.00	188	16395	0.40	ng	0.00
27) Chrysene-d12	21.19	240	17239	0.40	ng	-0.01
34) Perylene-d12	23.37	264	17251	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.26	112	2428	0.33	ng	0.00
5) Phenol-d6	6.81	99	3037	0.33	ng	0.00
8) Nitrobenzene-d5	8.76	82	2575	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	11.98	152	6848	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.74	330	829	0.35	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	10391	0.44	ng	0.00
25) Fluoranthene-d10	19.03	212	19209	0.38	ng	0.00
29) Terphenyl-d14	19.64	244	15170	0.39	ng	0.00

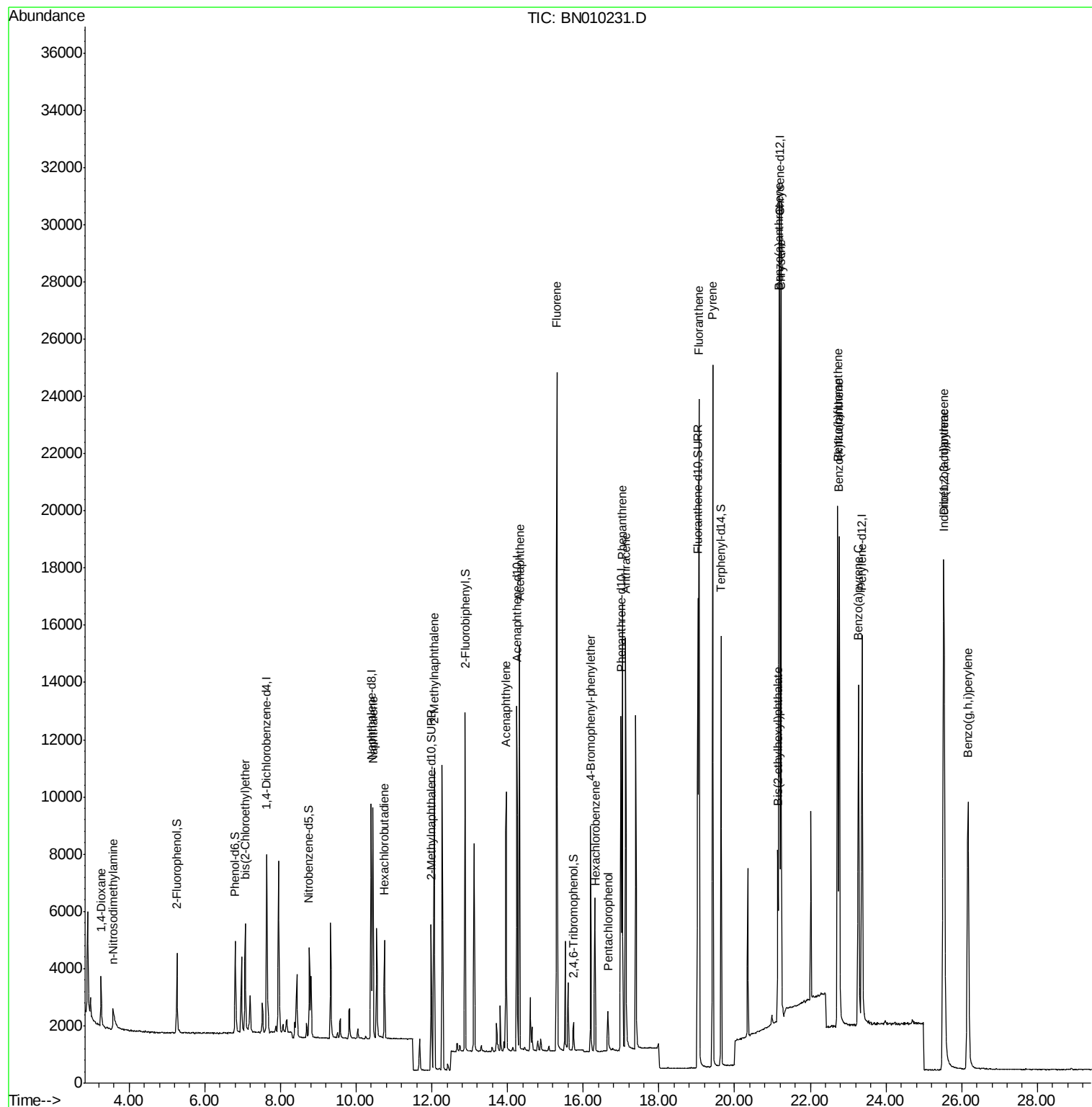
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.26	88	1246	0.403	ng	# 54
3) n-Nitrosodimethylamine	3.58	42	853	0.311	ng	# 35
6) bis(2-Chloroethyl)ether	7.07	93	3097	0.399	ng	97
9) Naphthalene	10.44	128	10937	0.400	ng	97
10) Hexachlorobutadiene	10.75	225	2756	0.438	ng	# 94
12) 2-Methylnaphthalene	12.06	142	7513	0.383	ng	94
16) Acenaphthylene	13.97	152	10651	0.346	ng	100
17) Acenaphthene	14.31	154	7236	0.388	ng	97
18) Fluorene	15.31	166	10050	0.395	ng	100
20) 4-Bromophenyl-phenylether	16.20	248	3758	0.399	ng	94
21) Hexachlorobenzene	16.32	284	4126	0.449	ng	99
22) Pentachlorophenol	16.66	266	939	0.331	ng	92
23) Phenanthrene	17.04	178	17733	0.408	ng	100
24) Anthracene	17.12	178	14874	0.343	ng	99
26) Fluoranthene	19.06	202	21716	0.394	ng	99
28) Pyrene	19.42	202	21700	0.377	ng	99
30) Benzo(a)anthracene	21.17	228	20216	0.345	ng	100
31) Chrysene	21.23	228	23954	0.415	ng	97
32) Bis(2-ethylhexyl)phthalate	21.14	149	5029	0.201	ng	97
33) Indeno(1,2,3-cd)pyrene	25.52	276	23570	0.344	ng	98
35) Benzo(b)fluoranthene	22.72	252	21940	0.414	ng	99
36) Benzo(k)fluoranthene	22.77	252	22628	0.422	ng	99
37) Benzo(a)pyrene	23.27	252	17984	0.359	ng	99
38) Dibenzo(a,h)anthracene	25.54	278	19749	0.393	ng	98
39) Benzo(g,h,i)perylene	26.17	276	20421	0.407	ng	97

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

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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :

Quant Time: Mar 17 13:10:22 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031320.M
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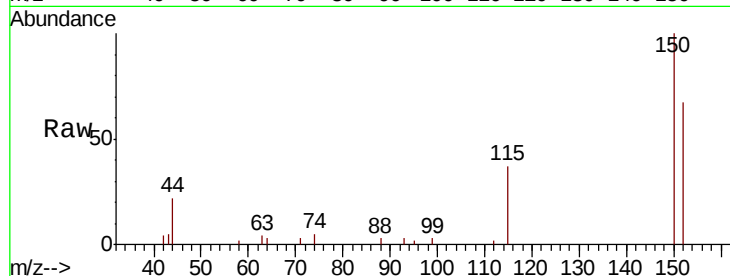


#1

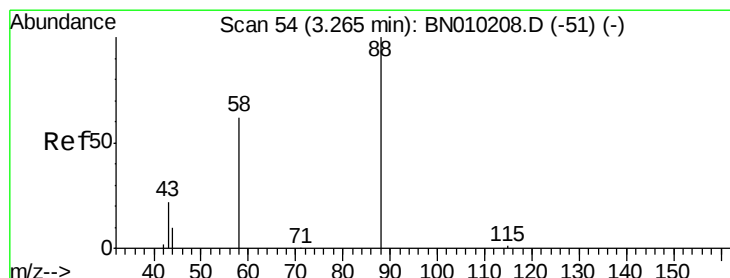
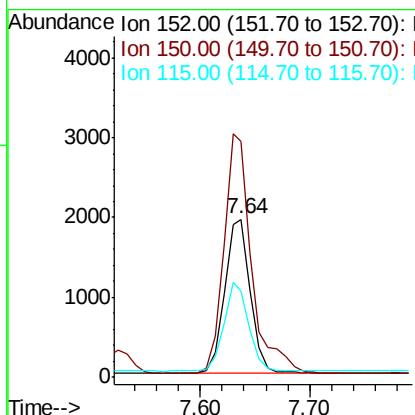
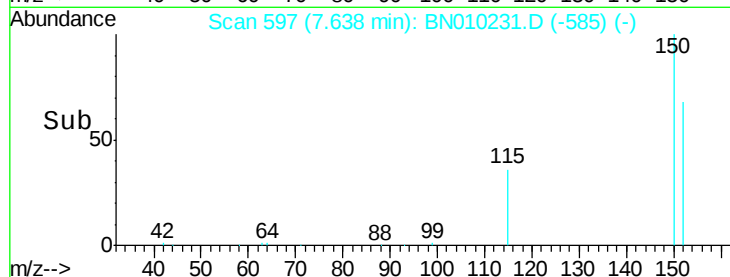
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 597
Delta R.T. -0.00 min
Lab File: BN010231.D
Acq: 17 Mar 2020 09:40

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 3172
Ion Ratio Lower Upper
152 100
150 149.5 119.5 179.3
115 54.9 50.9 76.3



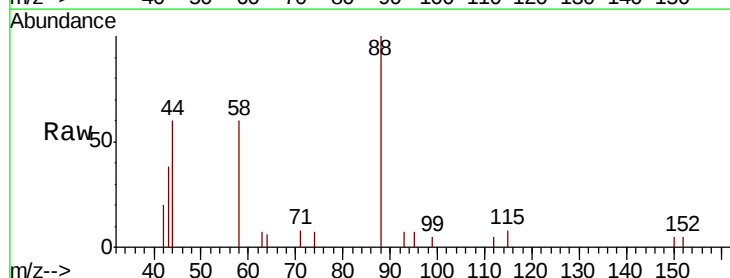
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



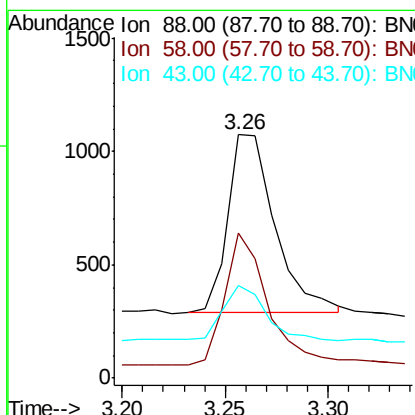
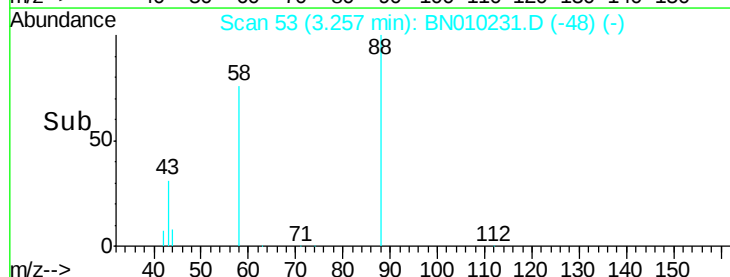
#2

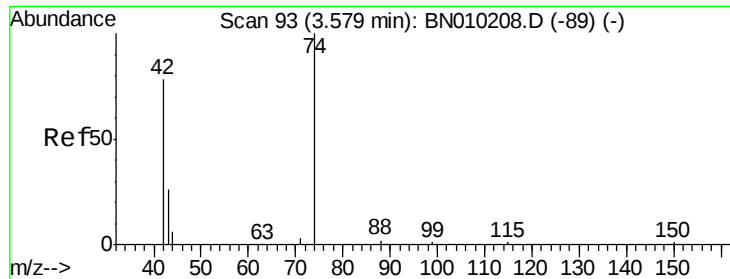
1,4-Dioxane
Concen: 0.403 ng
RT: 3.26 min Scan# 53
Delta R.T. -0.01 min
Lab File: BN010231.D
Acq: 17 Mar 2020 09:40

Tgt Ion: 88 Resp: 1246
Ion Ratio Lower Upper
88 100
58 67.2 97.8 146.8#
43 28.6 45.1 67.7#



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





#3

n-Nitrosodimethylamine

Concen: 0.311 ng

RT: 3.58 min Scan# 93

Delta R.T. 0.00 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

Instrument :

BNA_N

ClientSampleId :

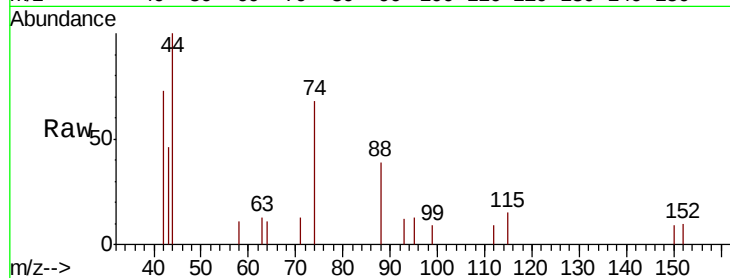
Tot Ion: 42 Resp: 853

Ion Ratio Lower Upper

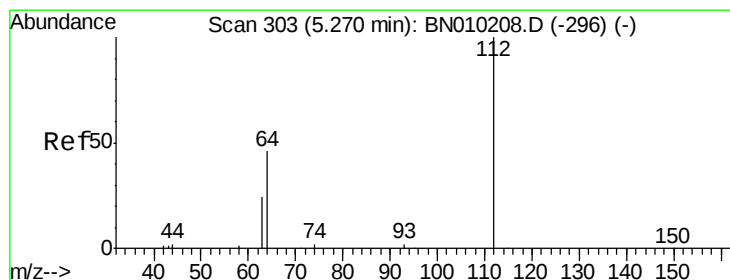
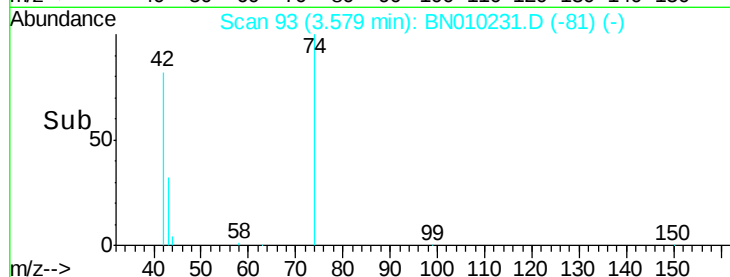
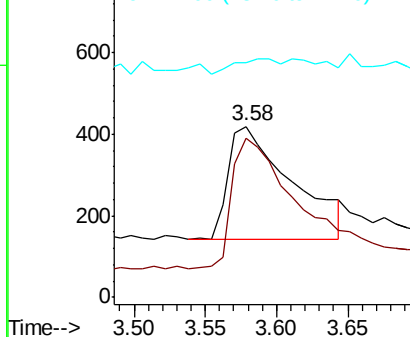
42 100

74 116.5 51.2 76.8#

44 9.7 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: 0.326 ng

RT: 5.26 min Scan# 302

Delta R.T. -0.01 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

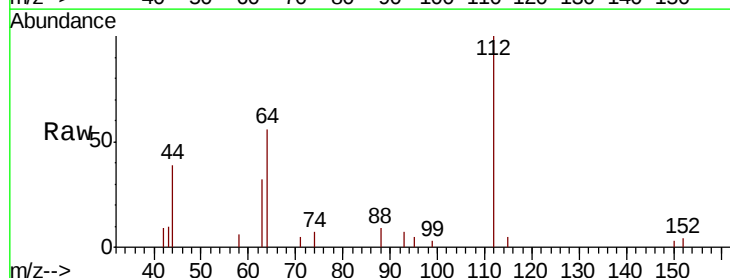
Tgt Ion: 112 Resp: 2428

Ion Ratio Lower Upper

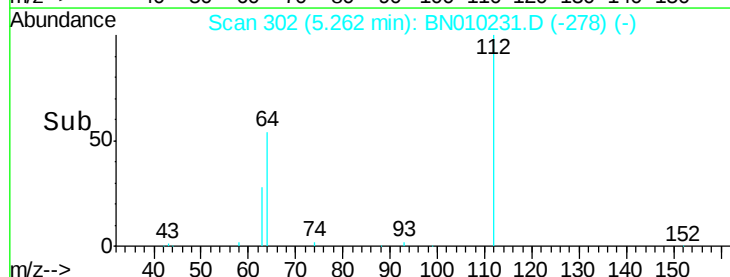
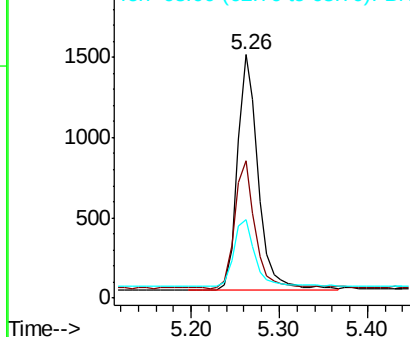
112 100

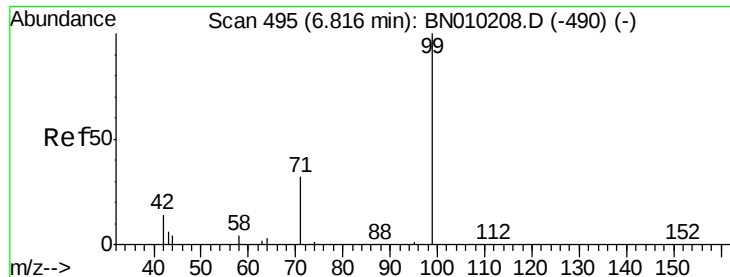
64 53.2 42.6 63.8

63 29.6 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: BN010231.D

Acq: 17 Mar 2020 09:40

Instrument :

BNA_N

ClientSampleId :

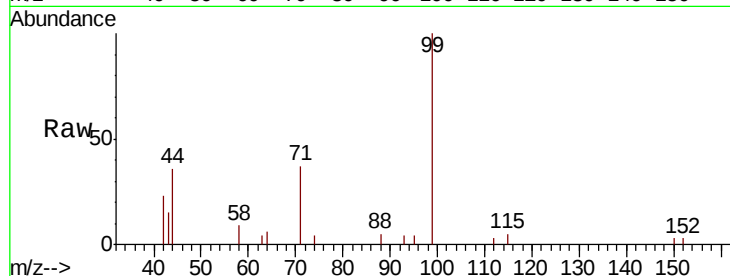
Tot Ion: 99 Resp: 3037

Ion Ratio Lower Upper

99 100

42 21.6 12.0 18.0#

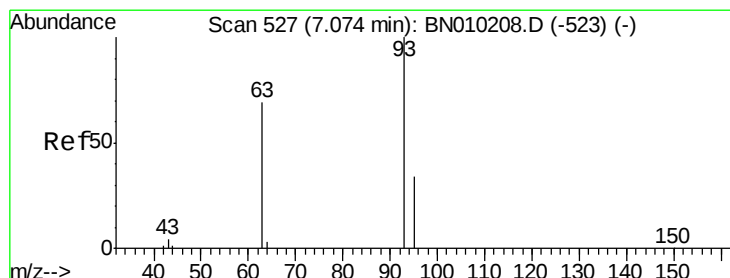
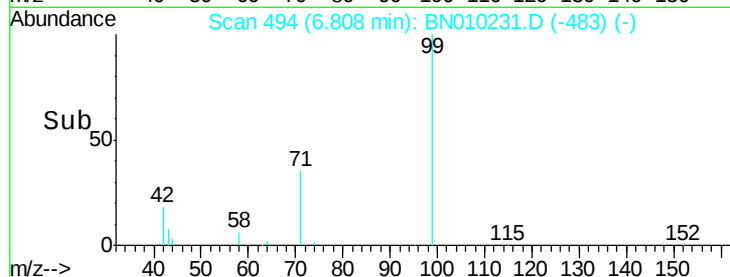
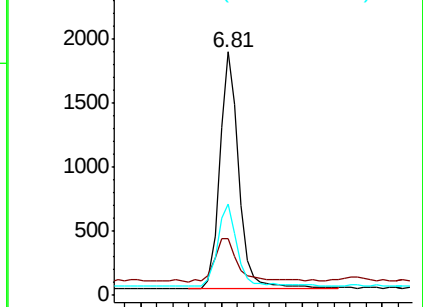
71 36.6 22.6 33.8#



Abundance Ion 99.00 (98.70 to 99.70): BN010231.D (-483) (-)

Ion 42.00 (41.70 to 42.70): BN010231.D (-483) (-)

Ion 71.00 (70.70 to 71.70): BN010231.D (-483) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.399 ng

RT: 7.07 min Scan# 526

Delta R.T. -0.01 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

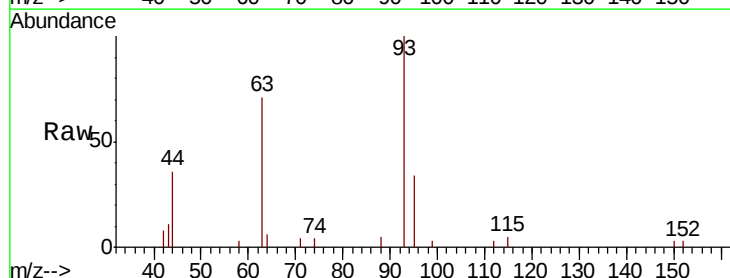
Tgt Ion: 93 Resp: 3097

Ion Ratio Lower Upper

93 100

63 68.3 53.4 80.0

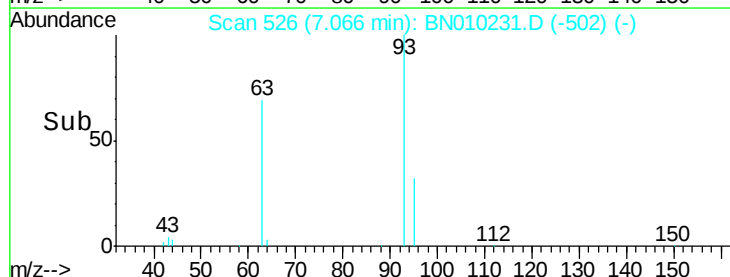
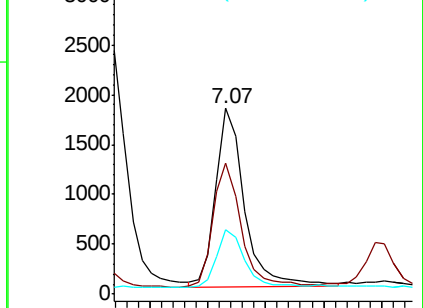
95 32.6 28.6 42.8

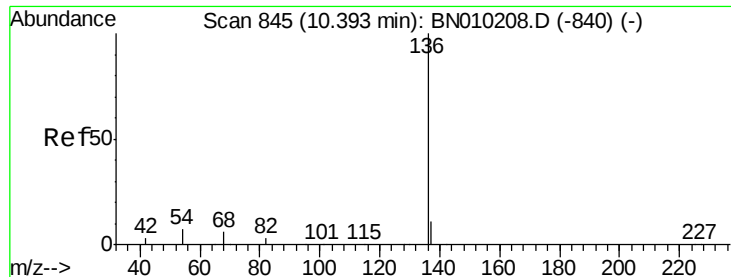


Abundance Ion 93.00 (92.70 to 93.70): BN010231.D (-502) (-)

Ion 63.00 (62.70 to 63.70): BN010231.D (-502) (-)

Ion 95.00 (94.70 to 95.70): BN010231.D (-502) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.39 min Scan# 845

Delta R.T. -0.00 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 10908

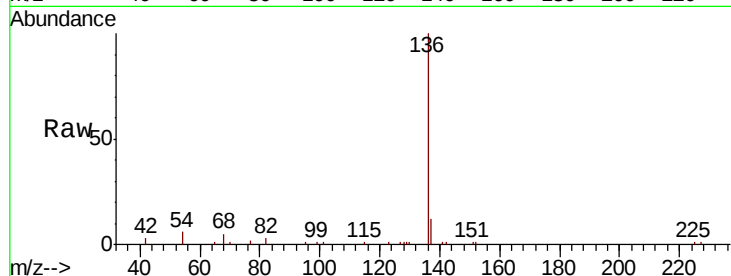
Ion Ratio Lower Upper

136 100

137 11.8 10.6 15.8

54 5.7 9.5 14.3#

68 5.1 9.7 14.5#

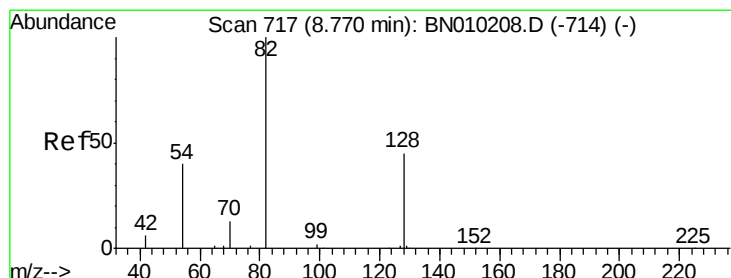
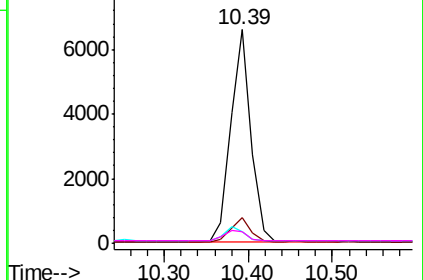
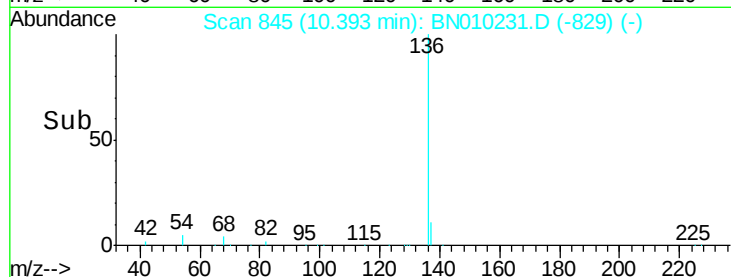


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.394 ng

RT: 8.76 min Scan# 716

Delta R.T. -0.01 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

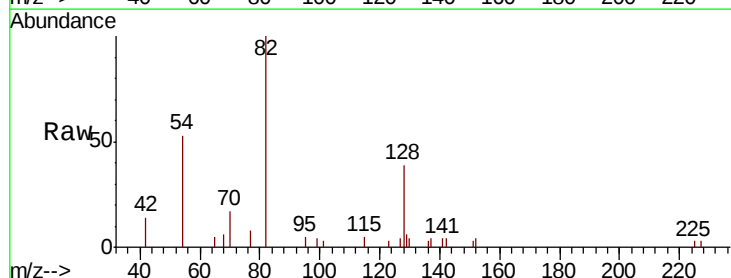
Tgt Ion: 82 Resp: 2575

Ion Ratio Lower Upper

82 100

128 39.1 35.0 52.6

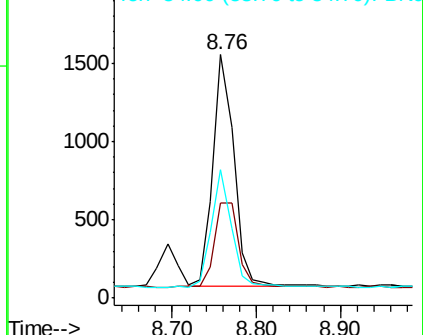
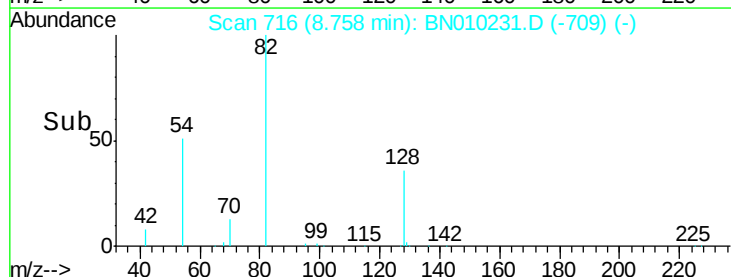
54 52.6 37.0 55.4

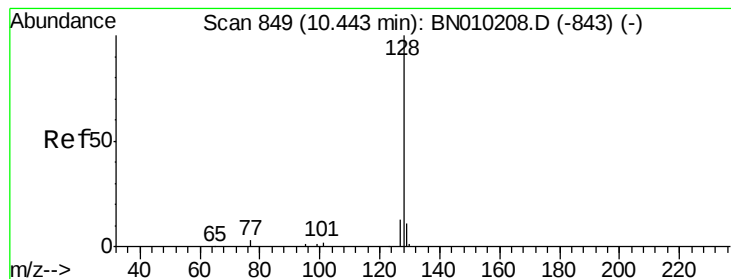


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.400 ng

RT: 10.44 min Scan# 849

Delta R.T. -0.00 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

Instrument :

BNA_N

ClientSampleId :

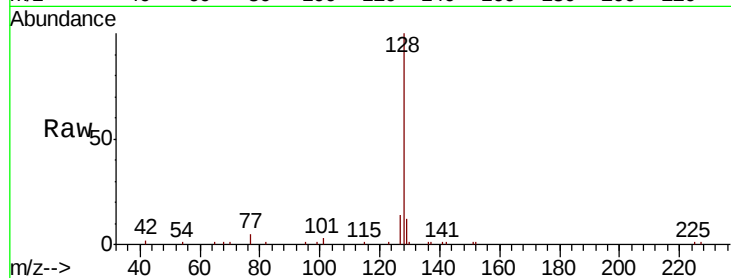
Tot Ion:128 Resp: 10937

Ion Ratio Lower Upper

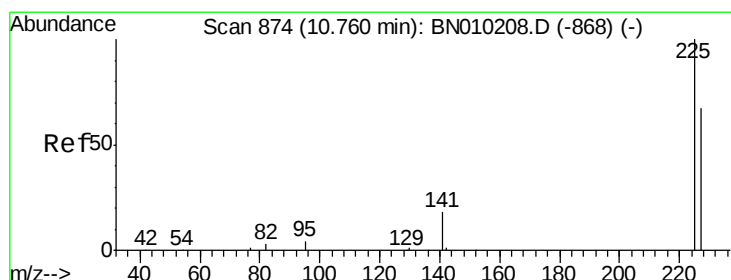
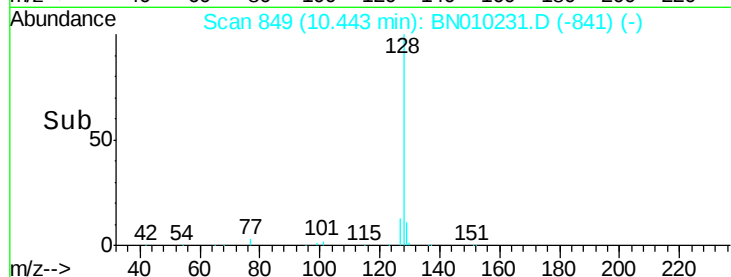
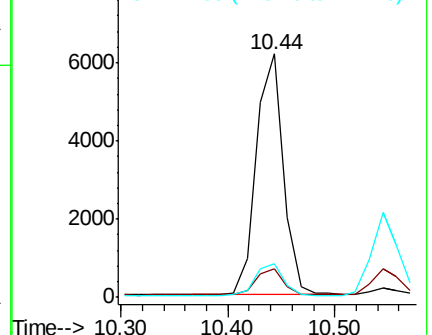
128 100

129 11.6 10.5 15.7

127 13.8 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: 0.438 ng

RT: 10.75 min Scan# 873

Delta R.T. -0.01 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

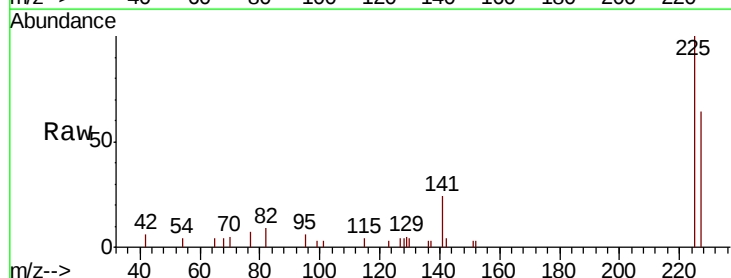
Tgt Ion:225 Resp: 2756

Ion Ratio Lower Upper

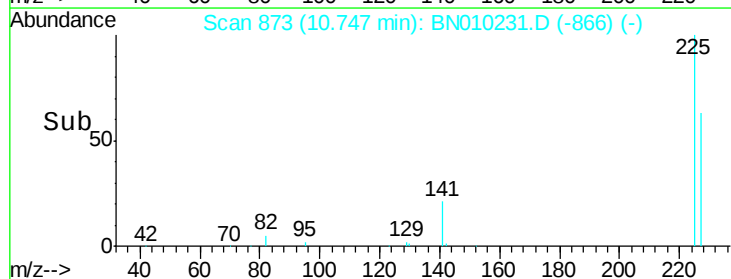
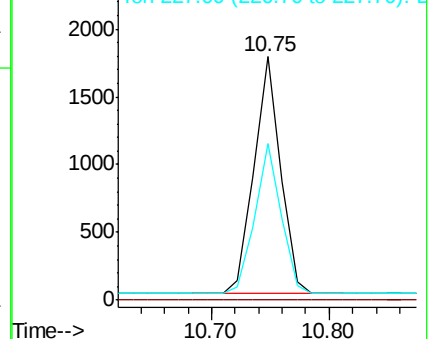
225 100

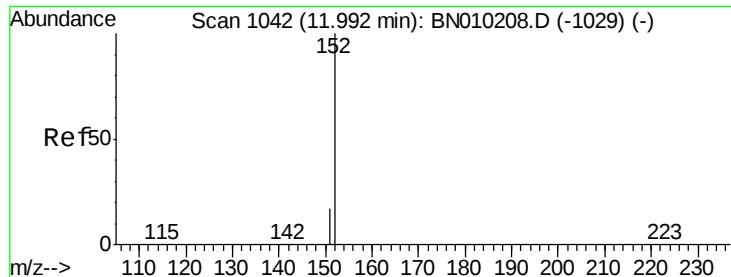
223 0.0 0.0 0.0

227 62.2 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

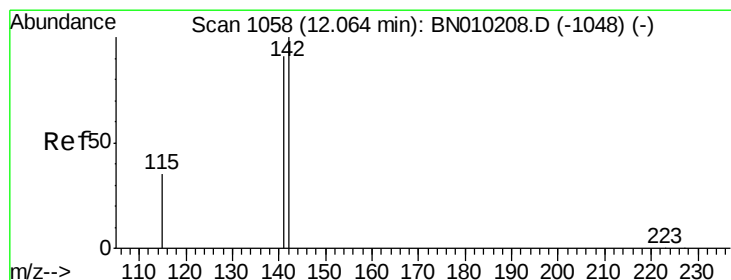
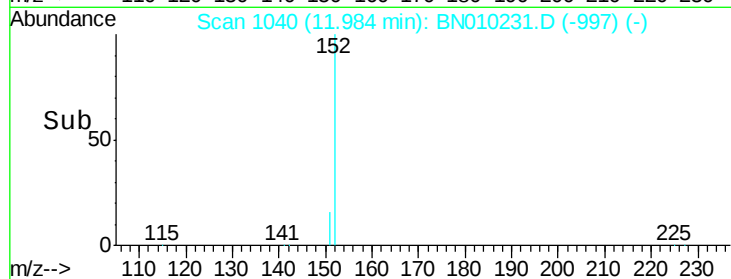
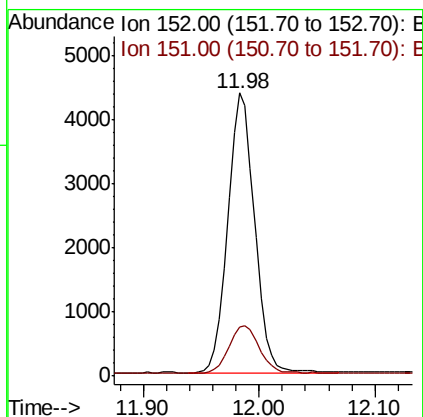
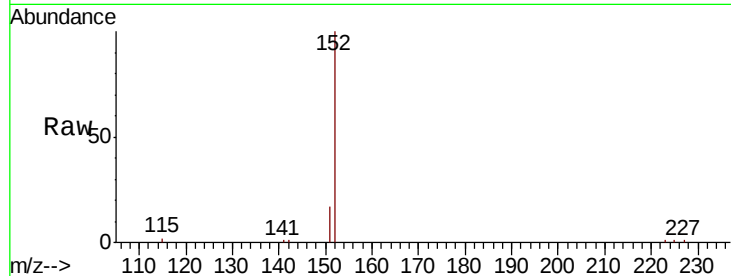




#11
 2-Methylnaphthalene-d10
 Concen: 0.380 ng
 RT: 11.98 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BN010231.D
 Acq: 17 Mar 2020 09:40

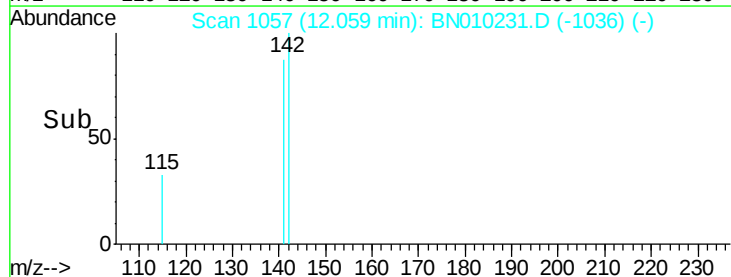
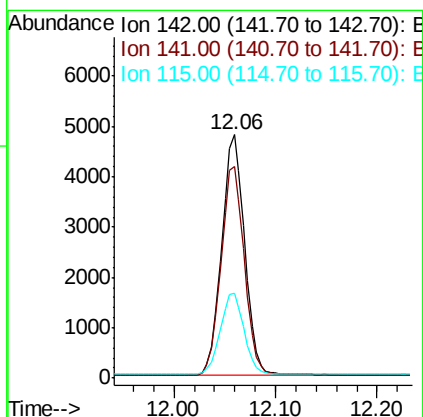
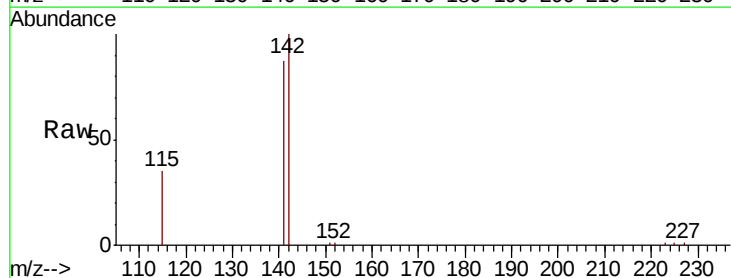
Instrument :
 BNA_N
 ClientSampleId :

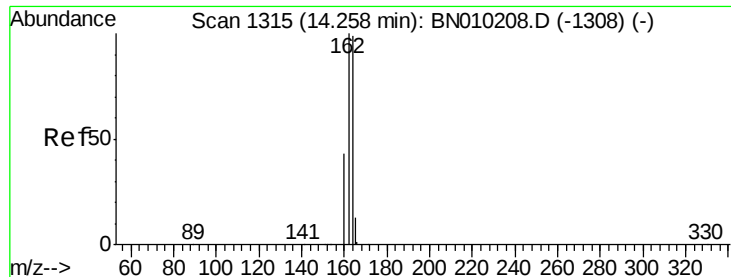
Tot Ion:152 Resp: 6848
 Ion Ratio Lower Upper
 152 100
 151 19.1 15.0 22.6



#12
 2-Methylnaphthalene
 Concen: 0.383 ng
 RT: 12.06 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: BN010231.D
 Acq: 17 Mar 2020 09:40

Tgt Ion:142 Resp: 7513
 Ion Ratio Lower Upper
 142 100
 141 87.1 73.7 110.5
 115 34.8 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: BN010231.D

Acq: 17 Mar 2020 09:40

Instrument :

BNA_N

ClientSampleId :

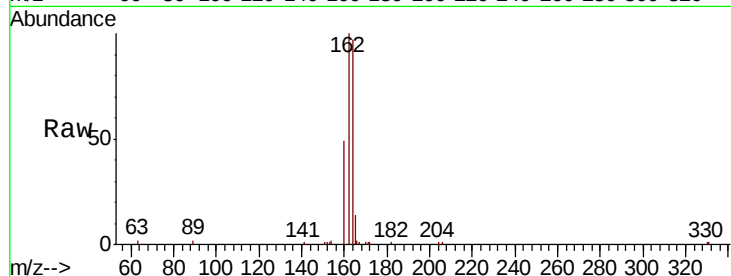
Tot Ion:164 Resp: 6664

Ion Ratio Lower Upper

164 100

162 103.3 81.0 121.4

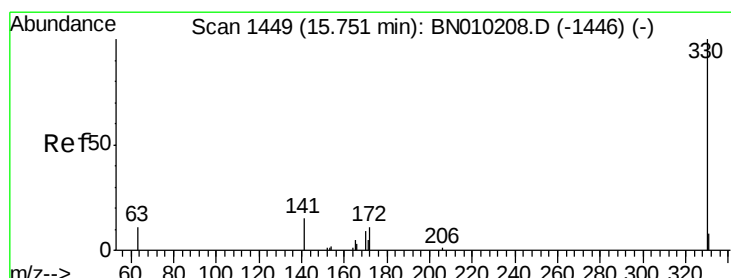
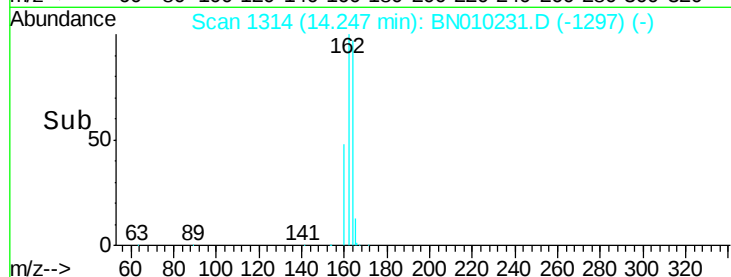
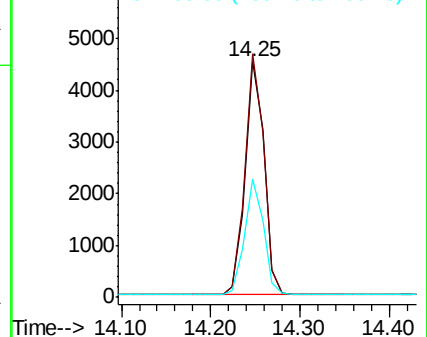
160 50.1 35.6 53.4



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: 0.348 ng

RT: 15.74 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

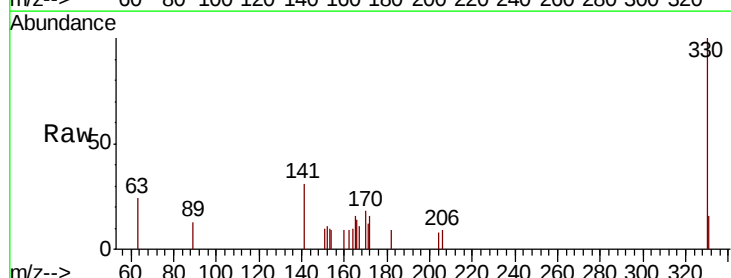
Tgt Ion:330 Resp: 829

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

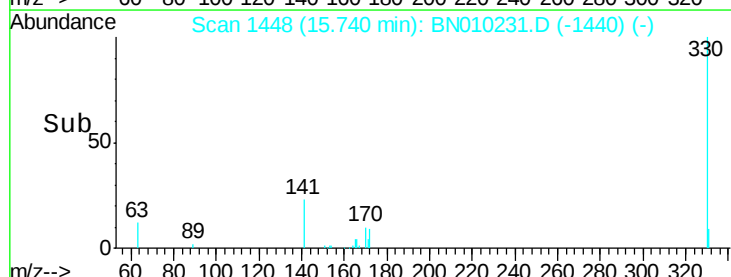
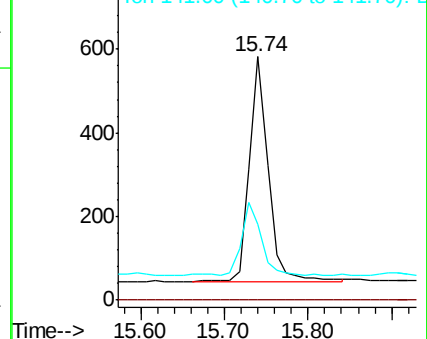
141 34.3 25.1 37.7

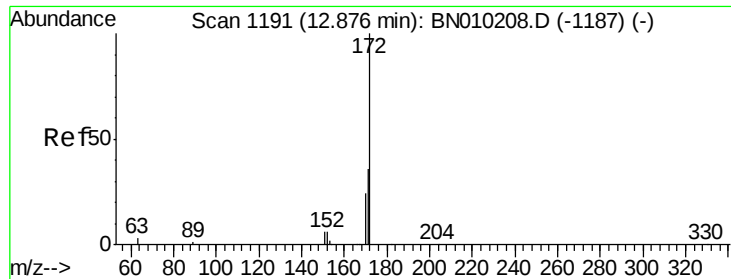


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

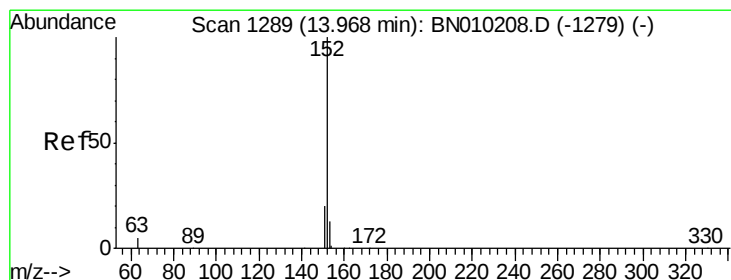
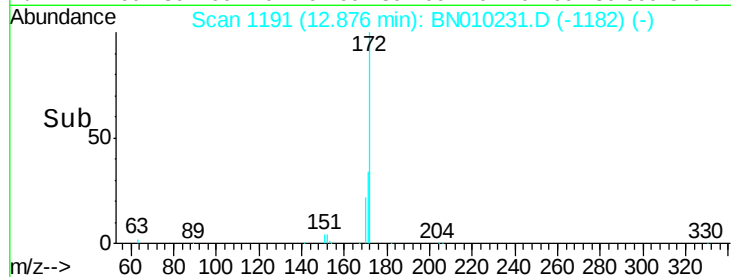
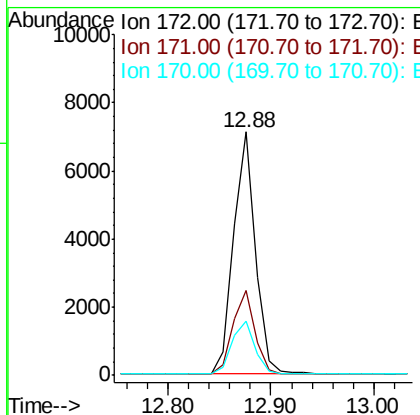
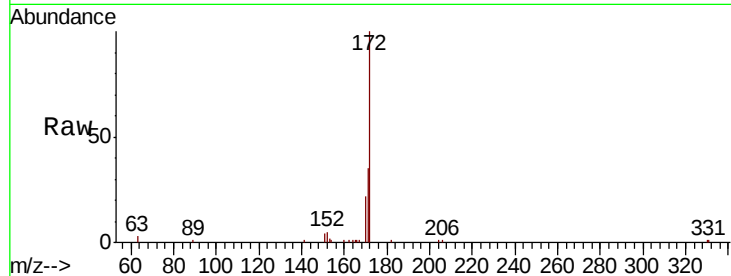




#15
2-Fluorobiphenyl
Concen: 0.438 ng
RT: 12.88 min Scan# 1191
Delta R.T. -0.00 min
Lab File: BN010231.D
Acq: 17 Mar 2020 09:40

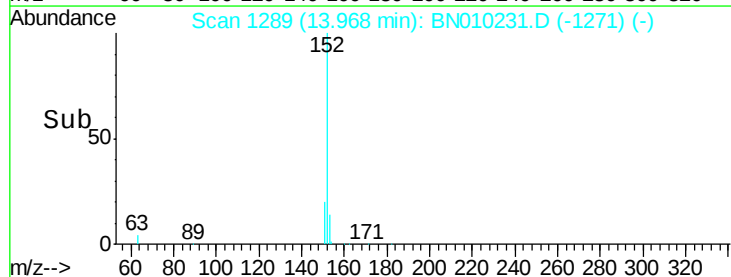
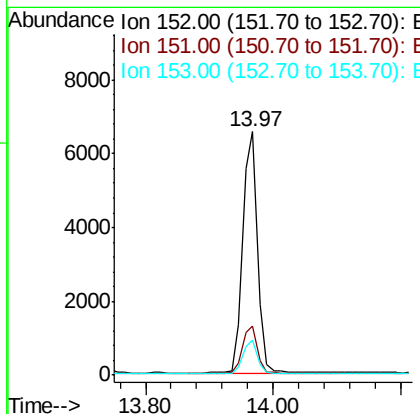
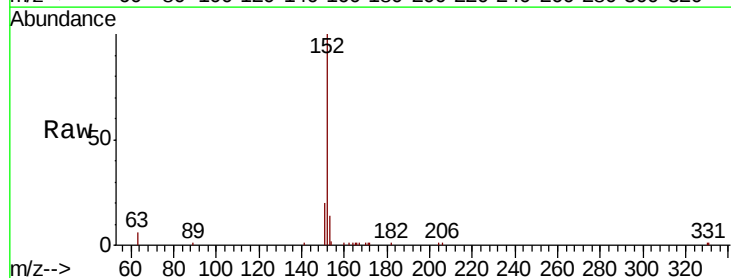
Instrument :
BNA_N
ClientSampleId :

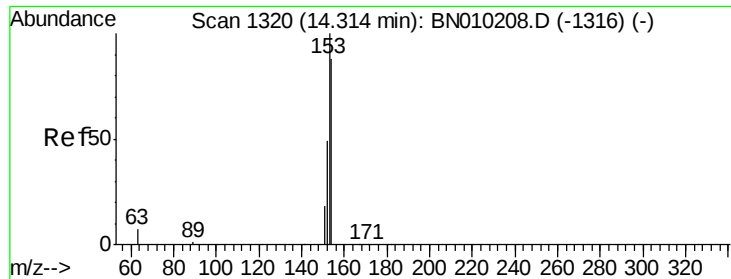
Tot Ion:172 Resp: 10391
Ion Ratio Lower Upper
172 100
171 34.6 29.4 44.2
170 22.2 20.2 30.4



#16
Acenaphthylene
Concen: 0.346 ng
RT: 13.97 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BN010231.D
Acq: 17 Mar 2020 09:40

Tgt Ion:152 Resp: 10651
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 13.4 10.6 16.0





#17

Acenaphthene

Concen: 0.388 ng

RT: 14.31 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

Instrument :

BNA_N

ClientSampleId :

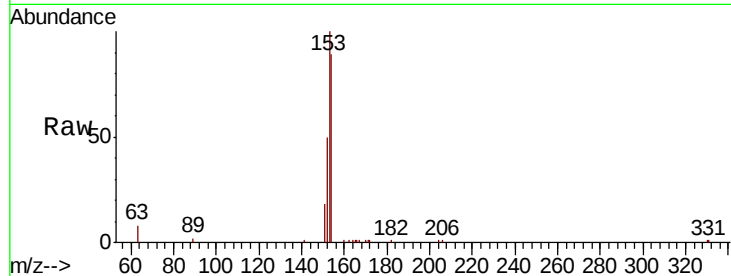
Tot Ion:154 Resp: 7236

Ion Ratio Lower Upper

154 100

153 114.2 90.3 135.5

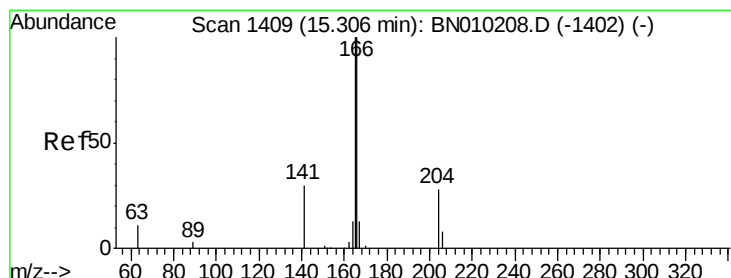
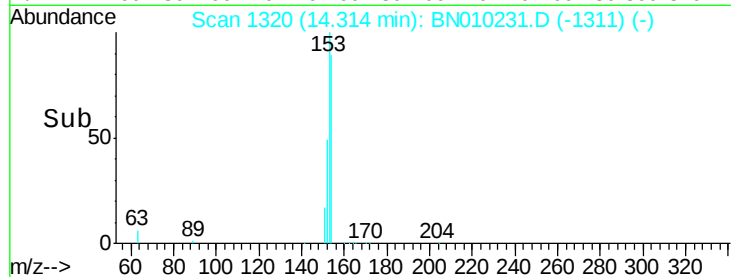
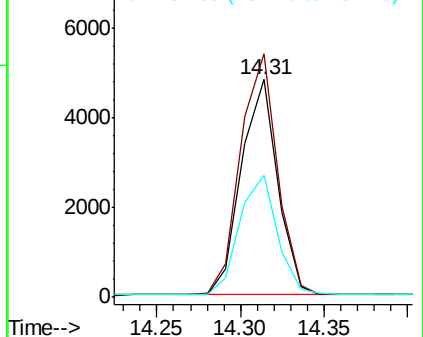
152 58.4 42.9 64.3



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: 0.395 ng

RT: 15.31 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

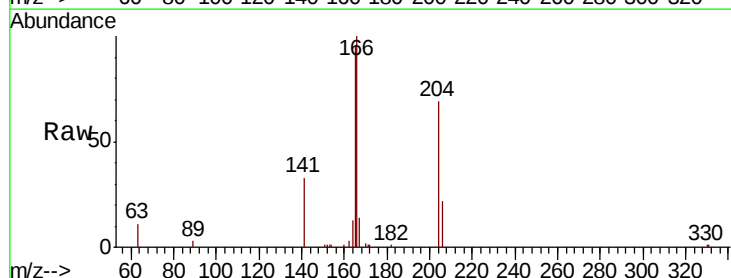
Tgt Ion:166 Resp: 10050

Ion Ratio Lower Upper

166 100

165 97.4 78.3 117.5

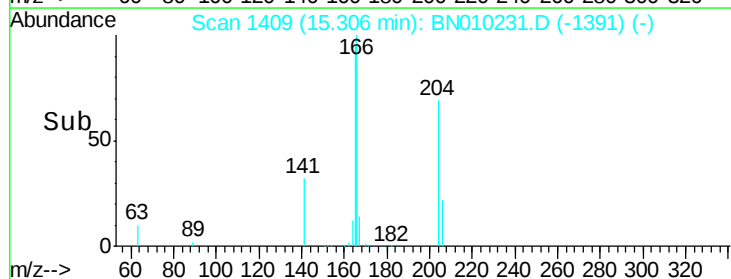
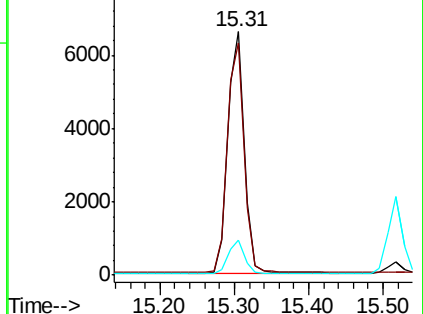
167 13.5 10.7 16.1

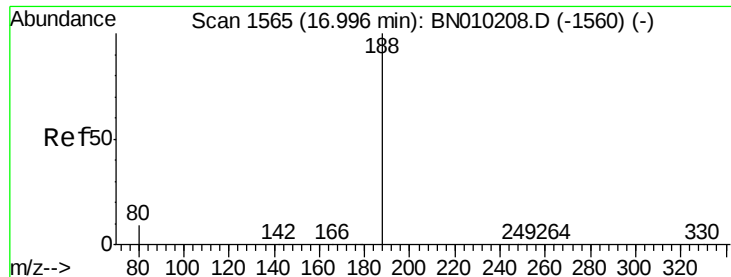


Abundance Ion 166.00 (165.70 to 166.70): E

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: BN010231.D

Acq: 17 Mar 2020 09:40

Instrument :

BNA_N

ClientSampled :

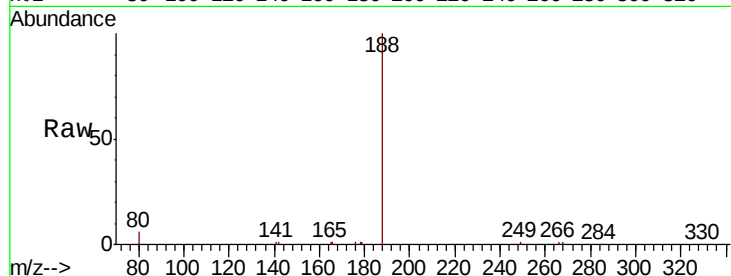
Tot Ion:188 Resp: 16395

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

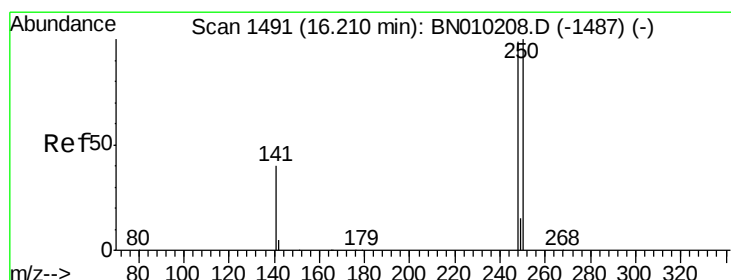
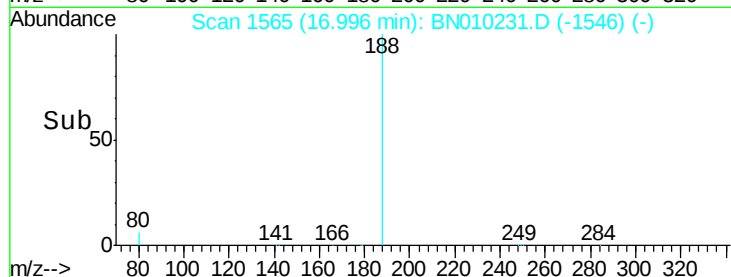
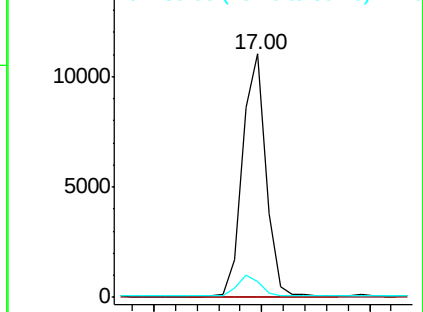
80 6.4 8.6 12.8#



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: 0.399 ng

RT: 16.20 min Scan# 1490

Delta R.T. -0.01 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

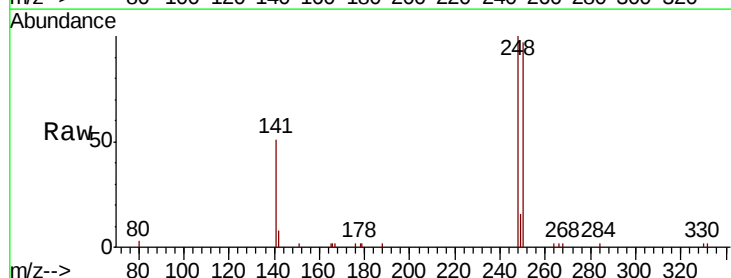
Tgt Ion:248 Resp: 3758

Ion Ratio Lower Upper

248 100

250 96.6 81.2 121.8

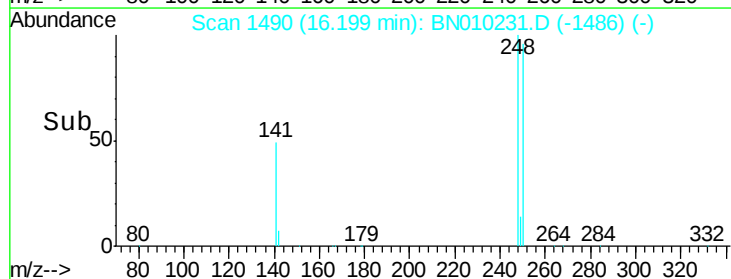
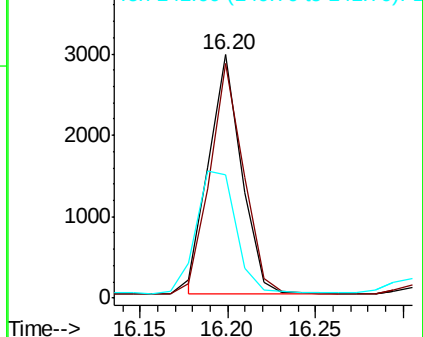
141 50.5 36.7 55.1

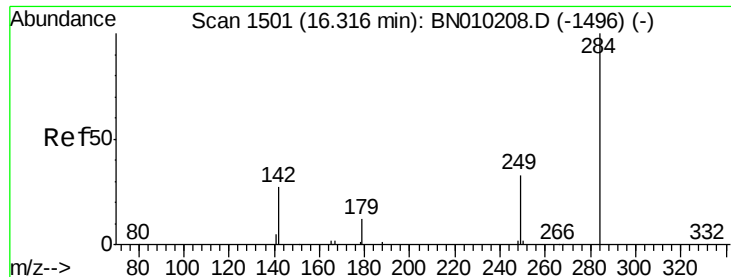


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

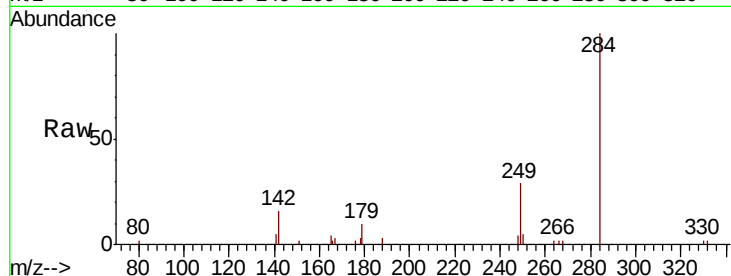




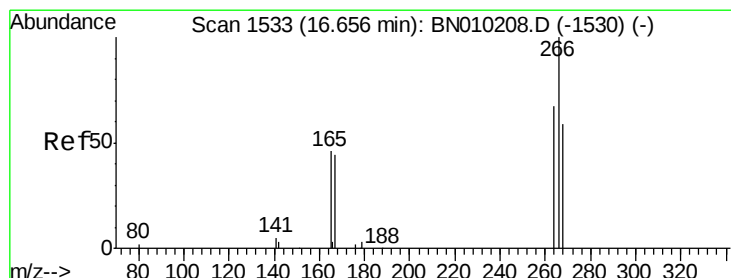
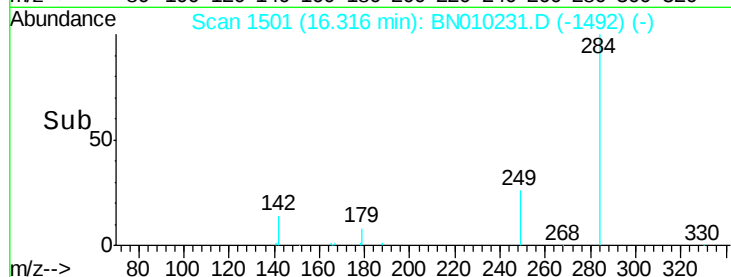
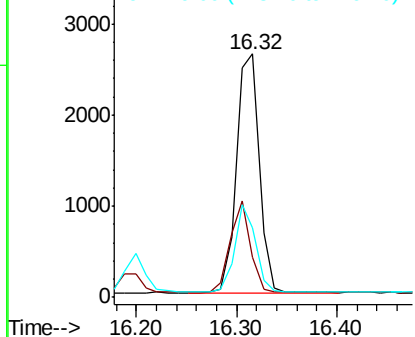
#21
Hexachlorobenzene
Concen: 0.449 ng
RT: 16.32 min Scan# 1501
Delta R.T. -0.00 min
Lab File: BN010231.D
Acq: 17 Mar 2020 09:40

Instrument :
BNA_N
ClientSampleId :

Tot Ion:284 Resp: 4126
Ion Ratio Lower Upper
284 100
142 34.0 27.8 41.6
249 33.4 26.6 39.8

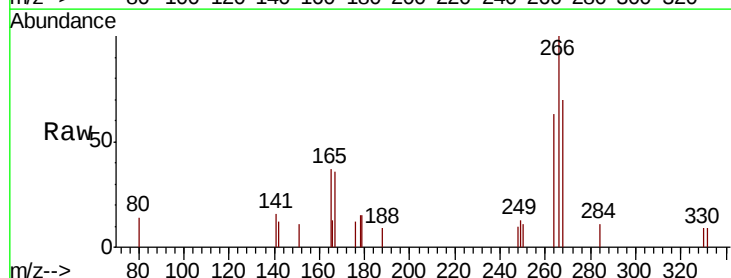


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

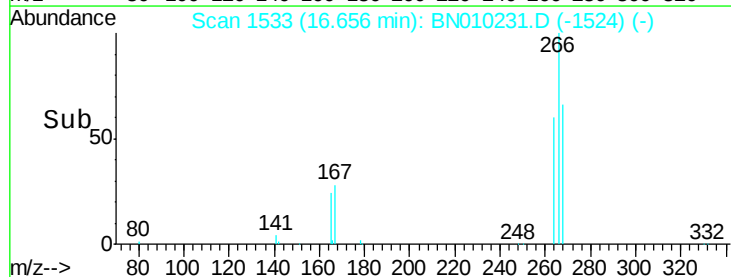
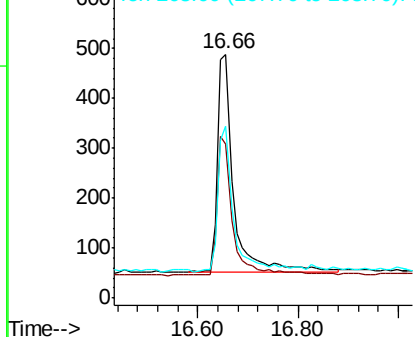


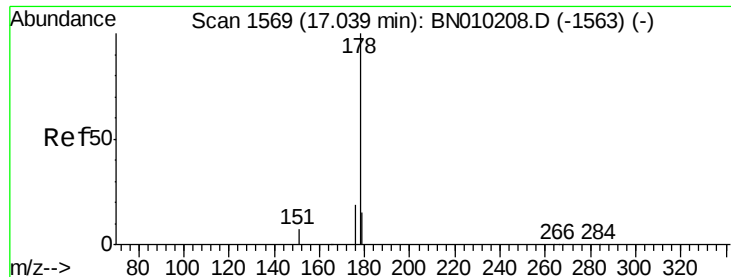
#22
Pentachlorophenol
Concen: 0.331 ng
RT: 16.66 min Scan# 1533
Delta R.T. -0.00 min
Lab File: BN010231.D
Acq: 17 Mar 2020 09:40

Tgt Ion:266 Resp: 939
Ion Ratio Lower Upper
266 100
264 63.1 56.2 84.2
268 70.5 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: 0.408 ng

RT: 17.04 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

Instrument :

BNA_N

ClientSampled :

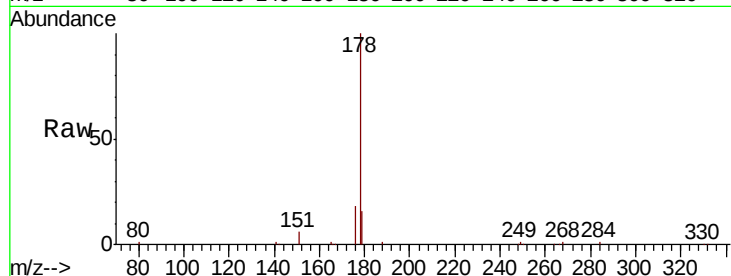
Tot Ion:178 Resp: 17733

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

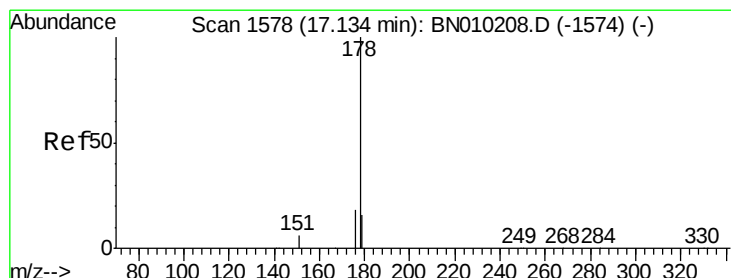
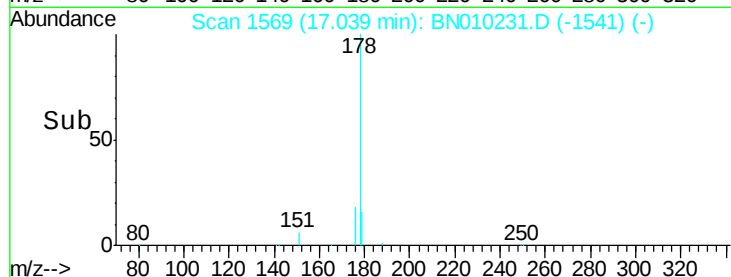
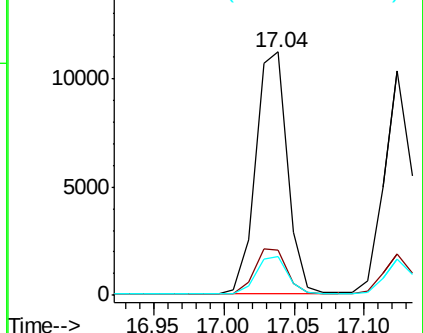
179 15.7 12.5 18.7



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: 0.343 ng

RT: 17.12 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

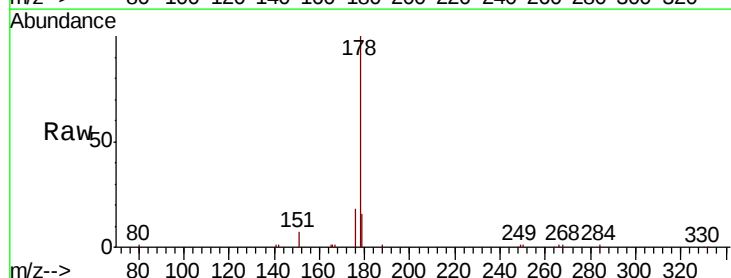
Tgt Ion:178 Resp: 14874

Ion Ratio Lower Upper

178 100

176 18.0 14.6 22.0

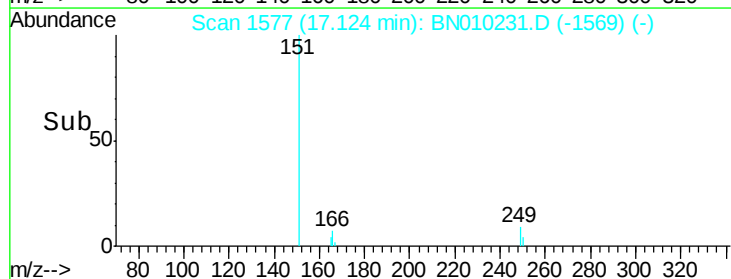
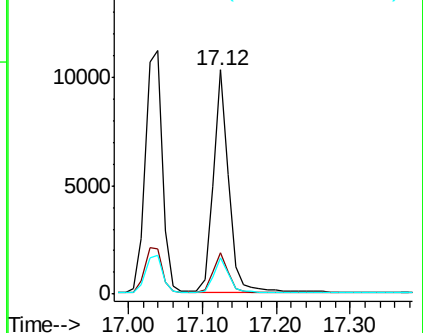
179 15.5 12.5 18.7

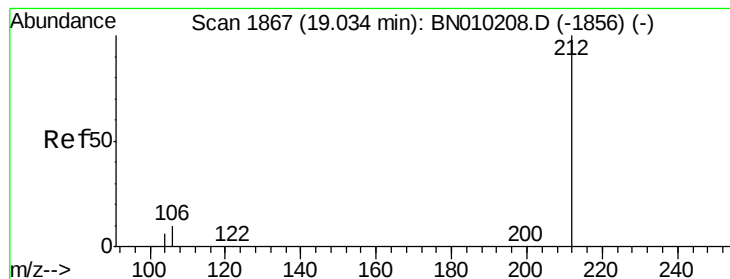


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.380 ng

RT: 19.03 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

Instrument :

BNA_N

ClientSampleId :

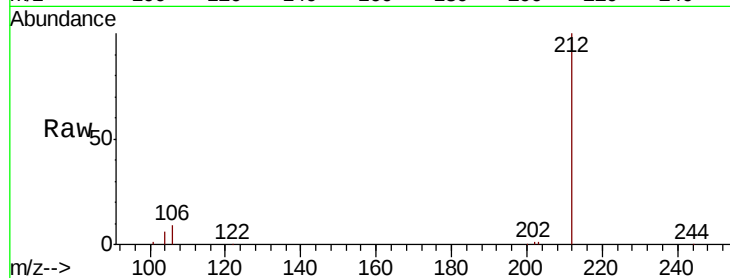
Tot Ion:212 Resp: 19209

Ion Ratio Lower Upper

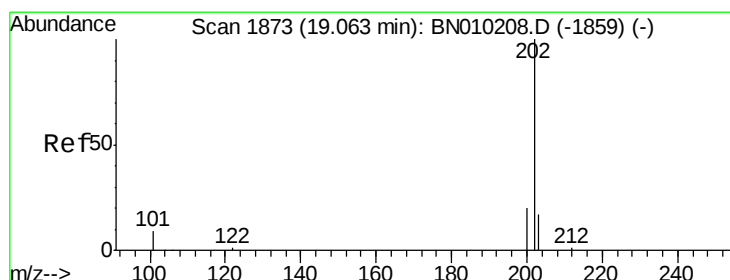
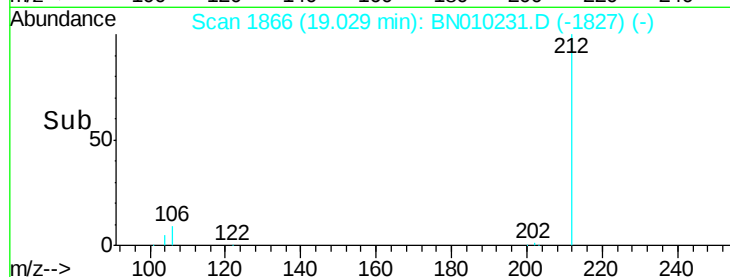
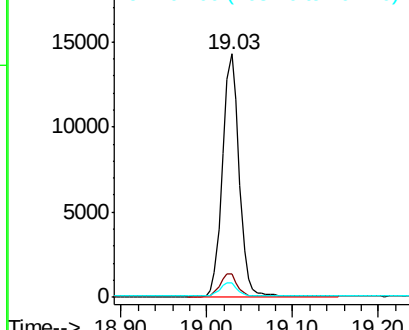
212 100

106 9.4 8.1 12.1

104 5.5 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: 0.394 ng

RT: 19.06 min Scan# 1872

Delta R.T. -0.00 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

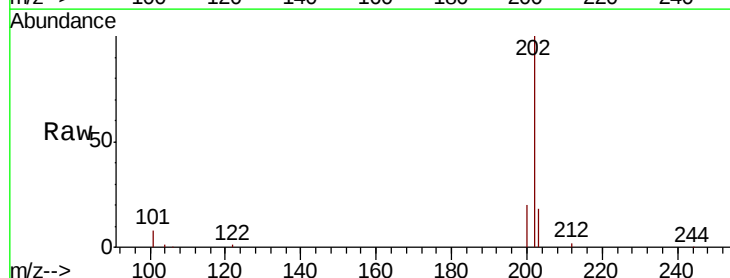
Tgt Ion:202 Resp: 21716

Ion Ratio Lower Upper

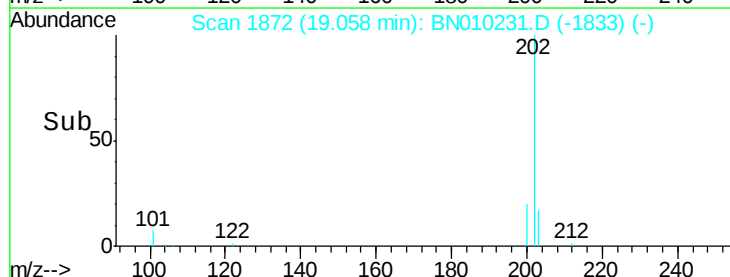
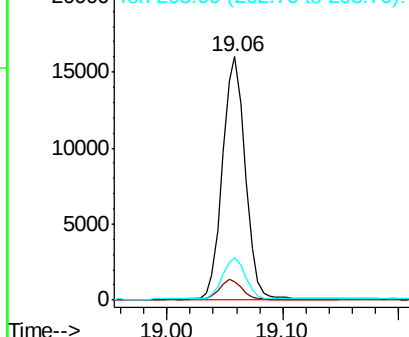
202 100

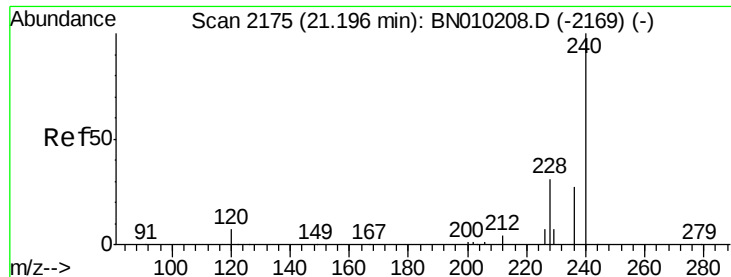
101 8.2 7.0 10.6

203 17.1 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: BN010231.D

Acq: 17 Mar 2020 09:40

Instrument :

BNA_N

ClientSampleId :

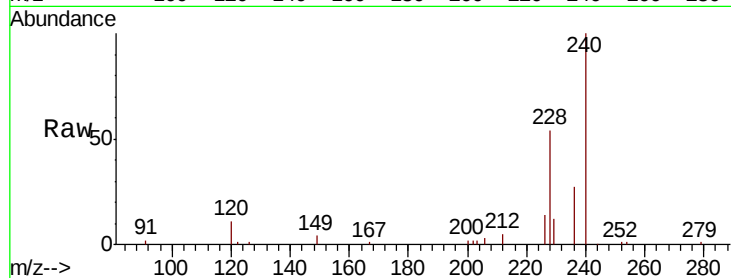
Tot Ion:240 Resp: 17239

Ion Ratio Lower Upper

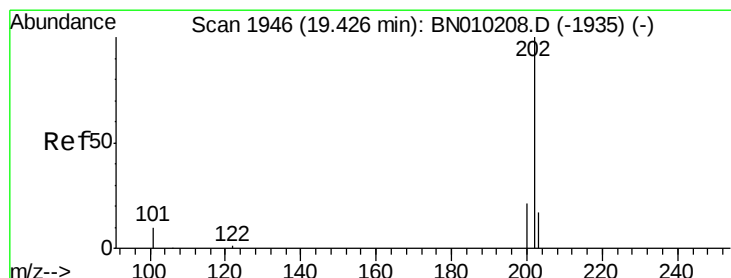
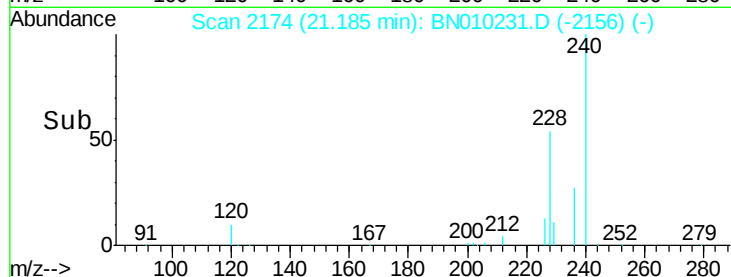
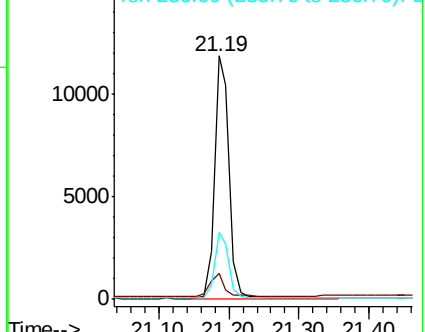
240 100

120 10.8 7.7 11.5

236 27.3 21.8 32.6



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: 0.377 ng

RT: 19.42 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

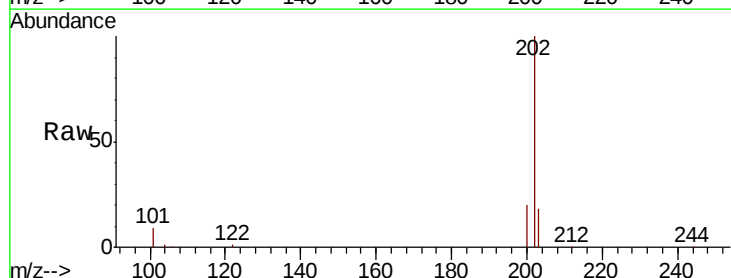
Tgt Ion:202 Resp: 21700

Ion Ratio Lower Upper

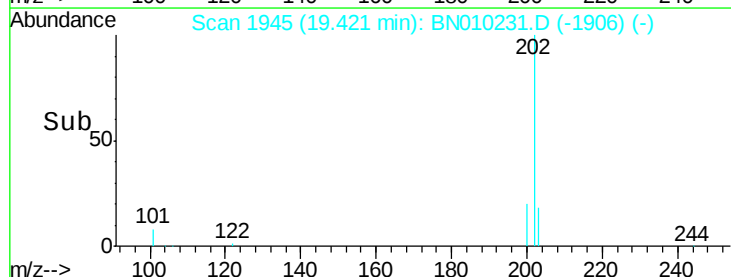
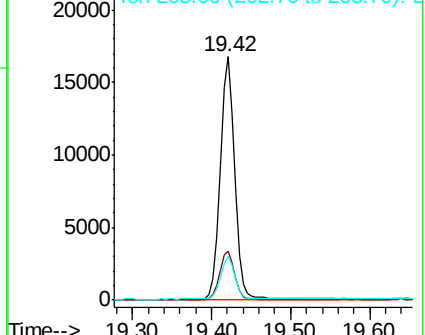
202 100

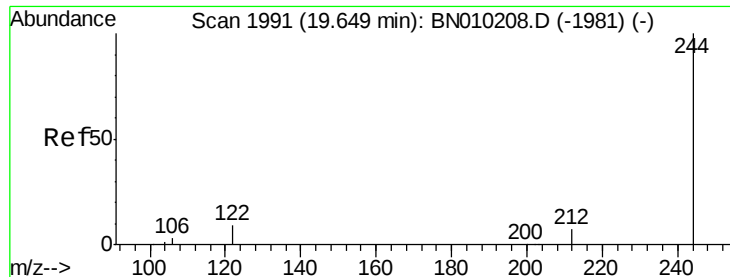
200 20.2 16.6 24.8

203 17.4 14.1 21.1



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: 0.386 ng

RT: 19.64 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

Instrument :

BNA_N

ClientSampleId :

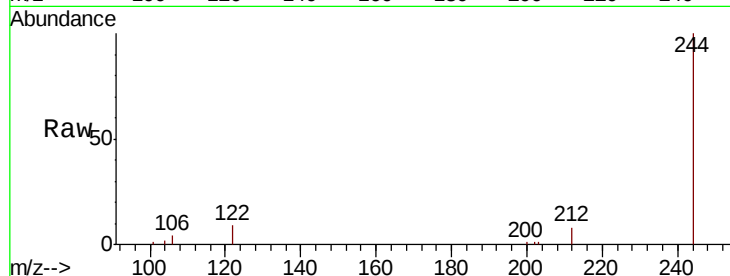
Tot Ion:244 Resp: 15170

Ion Ratio Lower Upper

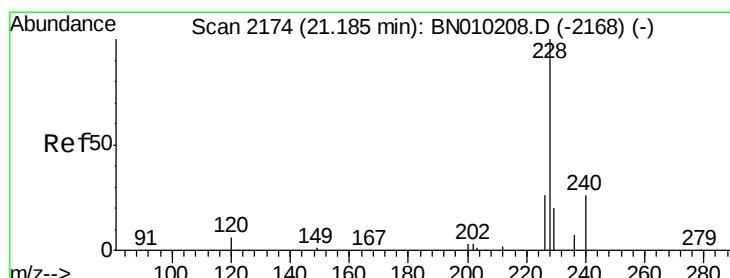
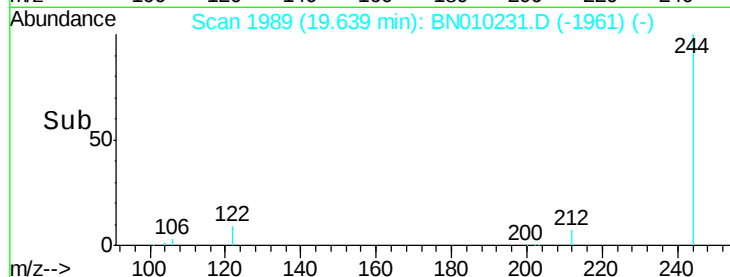
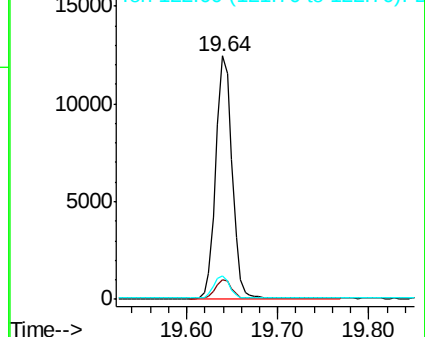
244 100

212 7.8 6.4 9.6

122 9.4 8.1 12.1



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: 0.345 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

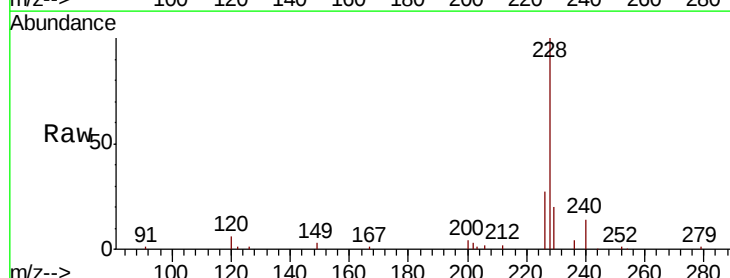
Tgt Ion:228 Resp: 20216

Ion Ratio Lower Upper

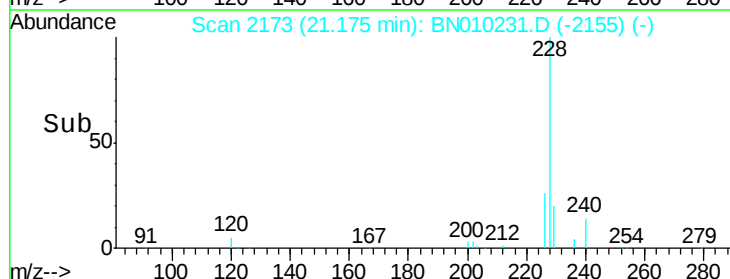
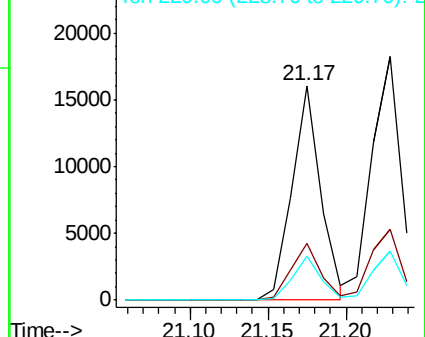
228 100

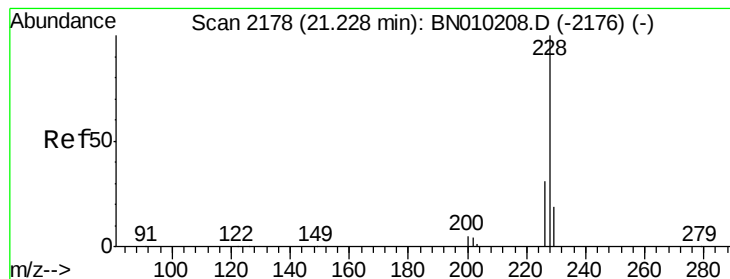
226 26.7 21.1 31.7

229 20.2 16.2 24.4



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: 0.415 ng

RT: 21.23 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

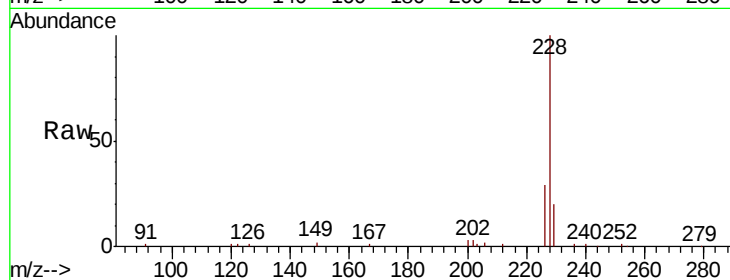
Instrument :

BNA_N

ClientSampled :

Tot Ion:228 Resp: 23954

Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.4
229	20.0	15.7	23.5

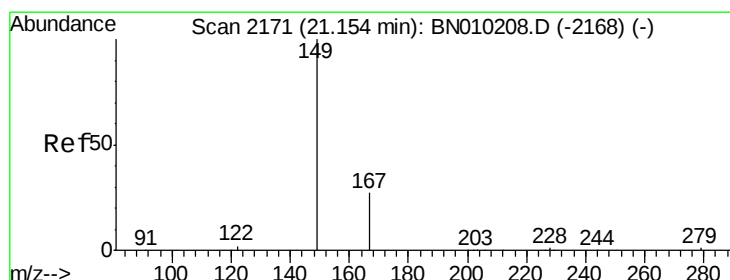
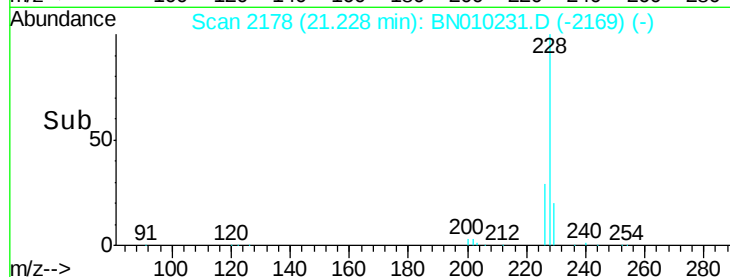
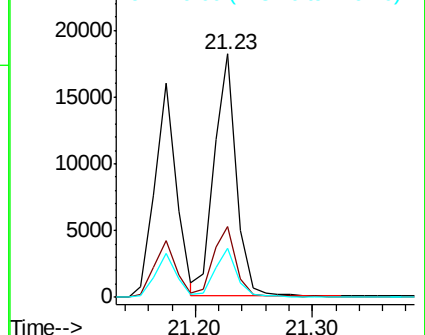


Abundance

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: 0.201 ng

RT: 21.14 min Scan# 2170

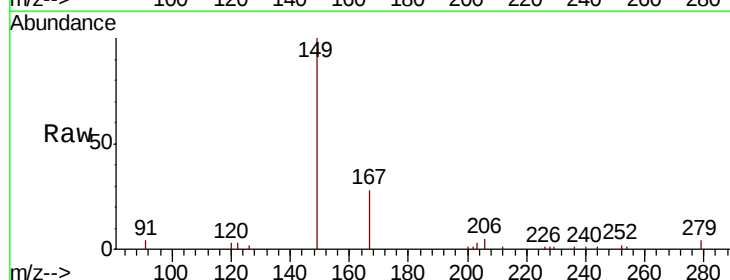
Delta R.T. -0.01 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

Tgt Ion:149 Resp: 5029

Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.0	31.4
279	4.5	3.1	4.7

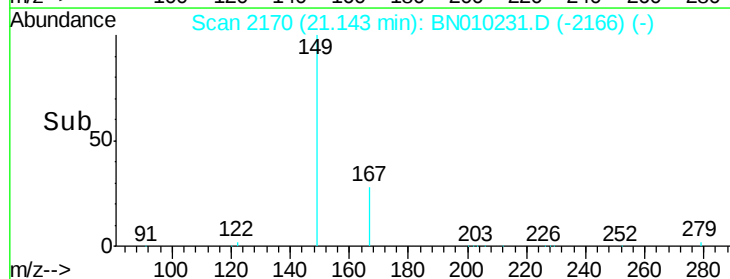
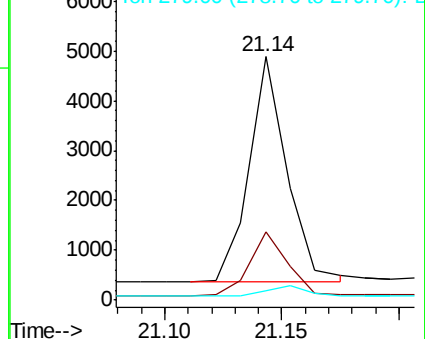


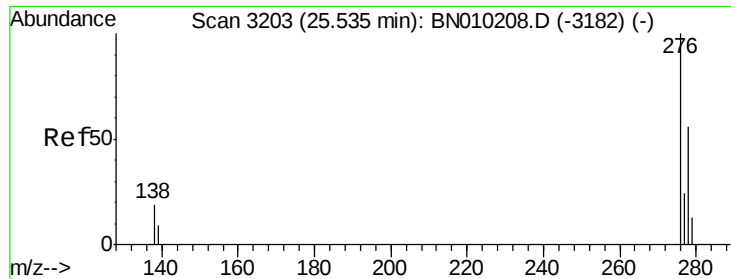
Abundance

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: 0.344 ng

RT: 25.52 min Scan# 3198

Delta R.T. -0.02 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

Instrument :

BNA_N

ClientSampleId :

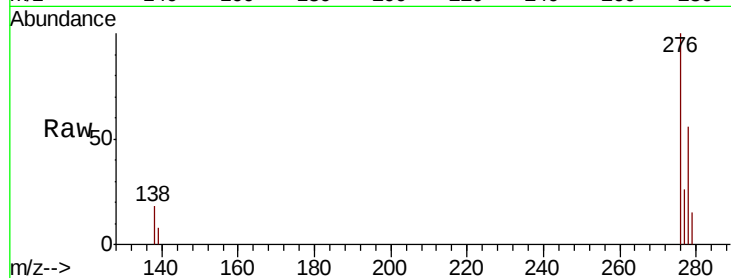
Tot Ion:276 Resp: 23570

Ion Ratio Lower Upper

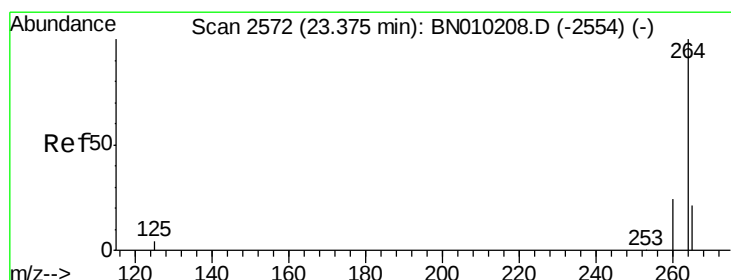
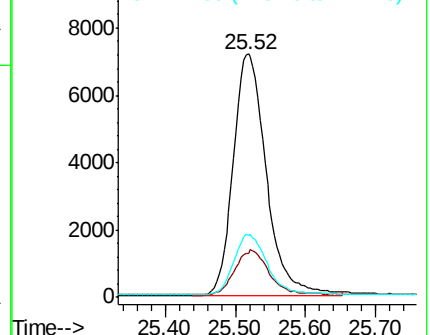
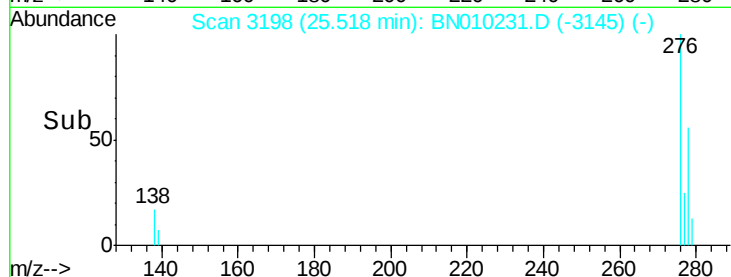
276 100

138 19.0 15.8 23.6

277 25.1 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: BN010231.D

Acq: 17 Mar 2020 09:40

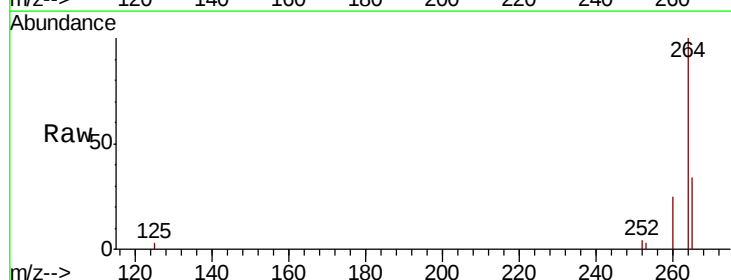
Tgt Ion:264 Resp: 17251

Ion Ratio Lower Upper

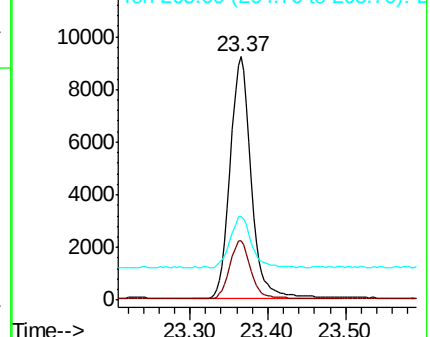
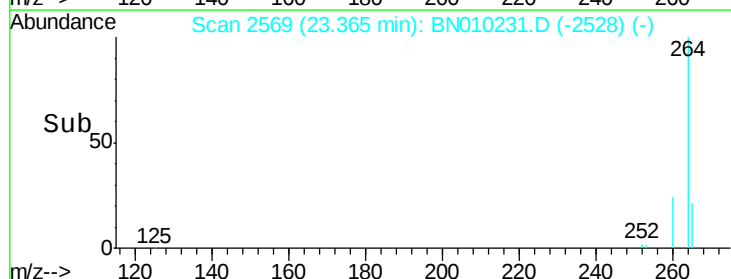
264 100

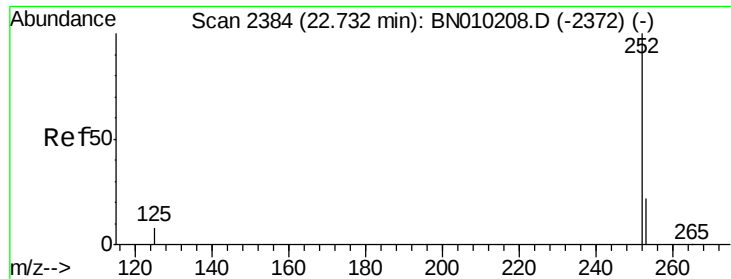
260 24.5 19.7 29.5

265 34.5 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: 0.414 ng

RT: 22.72 min Scan# 2381

Delta R.T. -0.01 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

Instrument :

BNA_N

ClientSampleId :

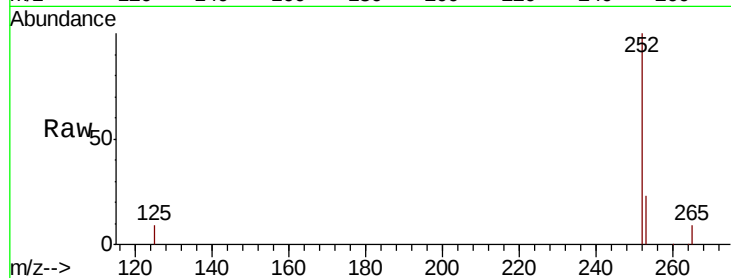
Tot Ion:252 Resp: 21940

Ion Ratio Lower Upper

252 100

253 23.3 18.6 28.0

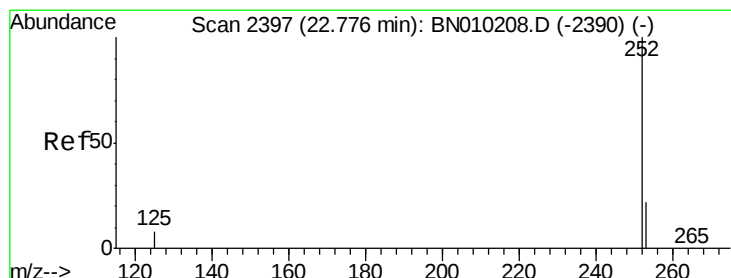
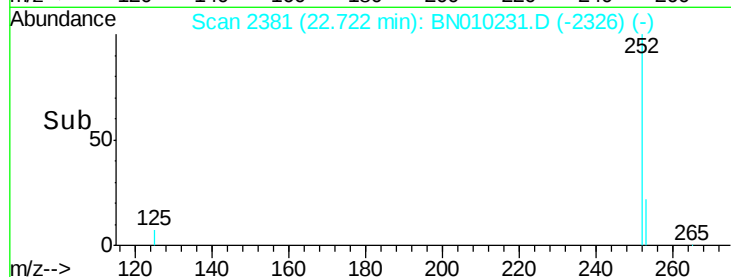
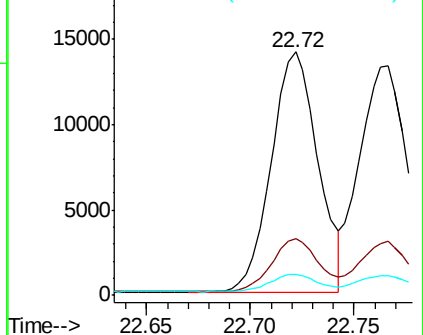
125 8.7 7.9 11.9



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: 0.422 ng

RT: 22.77 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

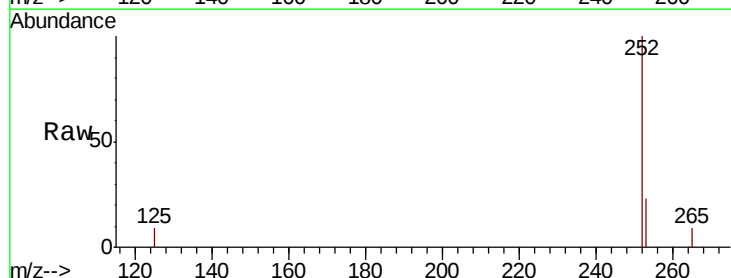
Tgt Ion:252 Resp: 22628

Ion Ratio Lower Upper

252 100

253 23.3 18.8 28.2

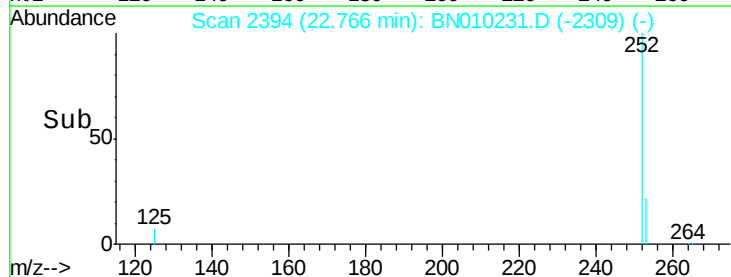
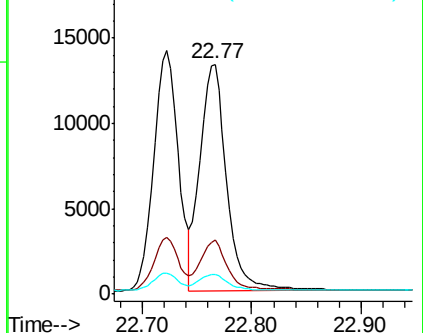
125 8.8 8.2 12.4

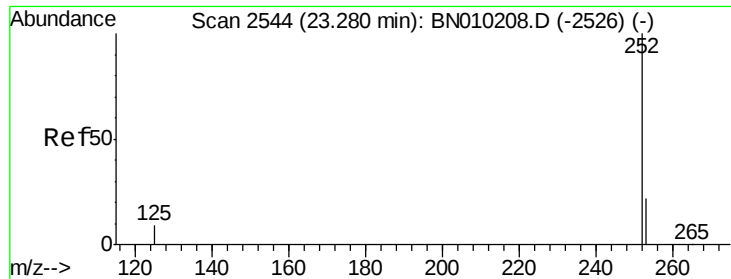


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

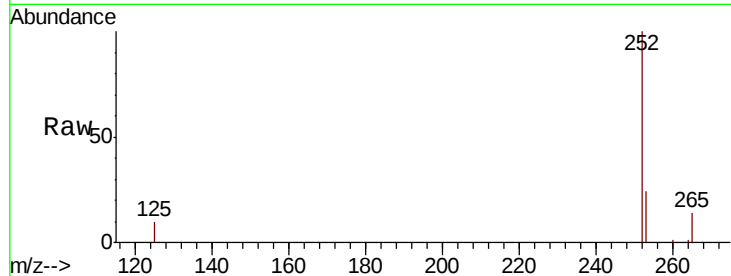




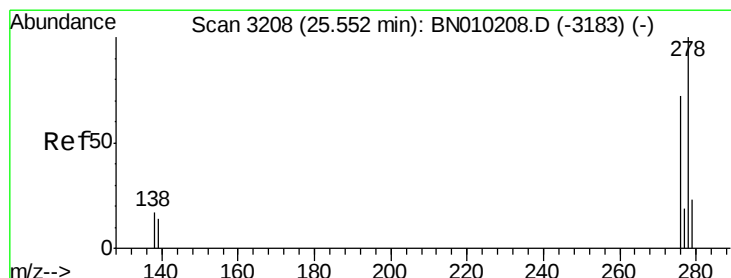
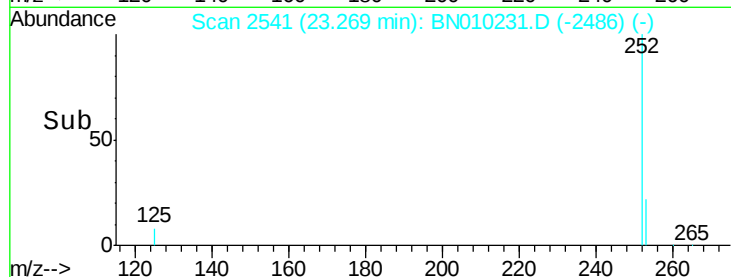
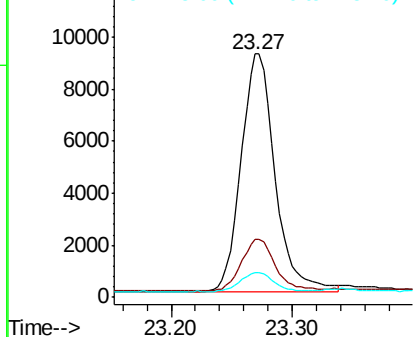
#37
Benzo(a)pyrene
Concen: 0.359 ng
RT: 23.27 min Scan# 2541
Delta R.T. -0.01 min
Lab File: BN010231.D
Acq: 17 Mar 2020 09:40

Instrument :
BNA_N
ClientSampleId :

Tot Ion:252 Resp: 17984
Ion Ratio Lower Upper
252 100
253 23.9 19.1 28.7
125 10.1 9.2 13.8

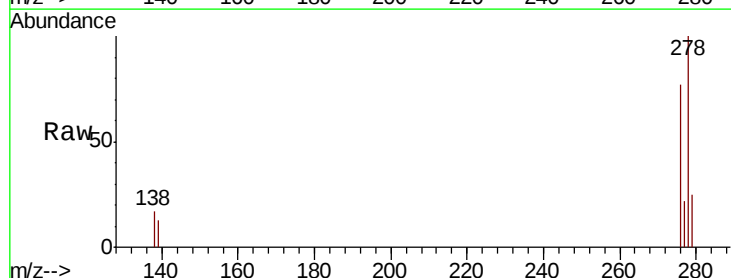


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

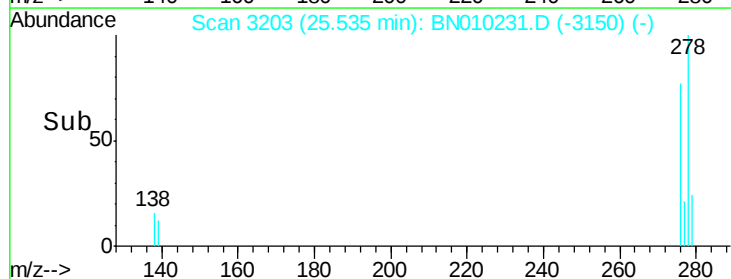
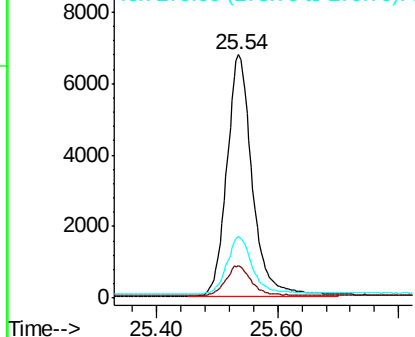


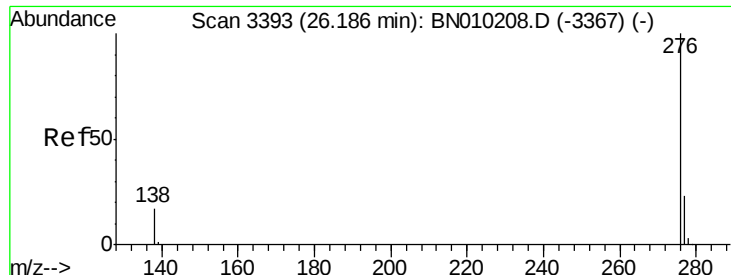
#38
Dibenzo(a,h)anthracene
Concen: 0.393 ng
RT: 25.54 min Scan# 3203
Delta R.T. -0.02 min
Lab File: BN010231.D
Acq: 17 Mar 2020 09:40

Tgt Ion:278 Resp: 19749
Ion Ratio Lower Upper
278 100
139 13.2 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: 0.407 ng

RT: 26.17 min Scan# 3388

Delta R.T. -0.02 min

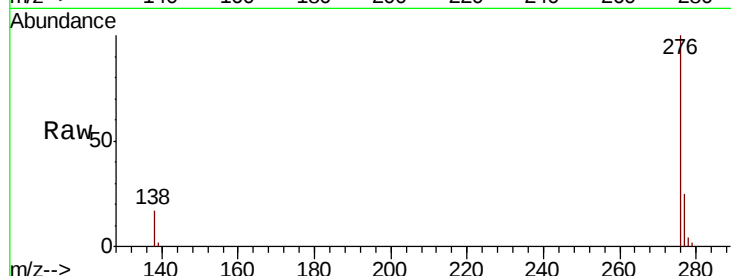
Lab File: BN010231.D

Acq: 17 Mar 2020 09:40

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 20421

Ion Ratio Lower Upper

276 100

277 25.2 19.4 29.2

138 17.0 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

