

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN073018\
 Data File : BN002194.D
 Acq On : 30 Jul 2018 20:11
 Operator : JU/SJ
 Sample : J3762-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 31 01:25:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 16:17:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	3370	0.40	ng	0.00
7) Naphthalene-d8	10.47	136	13586	0.40	ng	0.00
13) Acenaphthene-d10	14.32	164	7285	0.40	ng	0.00
19) Phenanthrene-d10	17.08	188	14988	0.40	ng	0.01
27) Chrysene-d12	21.27	240	11186	0.40	ng	0.00
34) Perylene-d12	23.50	264	10575	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.32	112	2707	0.34	ng	0.00
5) Phenol-d6	6.88	99	2962	0.31	ng	0.00
8) Nitrobenzene-d5	8.86	82	3455	0.34	ng	0.01
11) 2-Methylnaphthalene-d10	12.06	152	7423	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	788	0.25	ng	0.01
15) 2-Fluorobiphenyl	12.95	172	10539	0.38	ng	0.01
25) Fluoranthene-d10	19.11	212	13174	0.36	ng	0.00
29) Terphenyl-d14	19.71	244	8612	0.36	ng	0.00

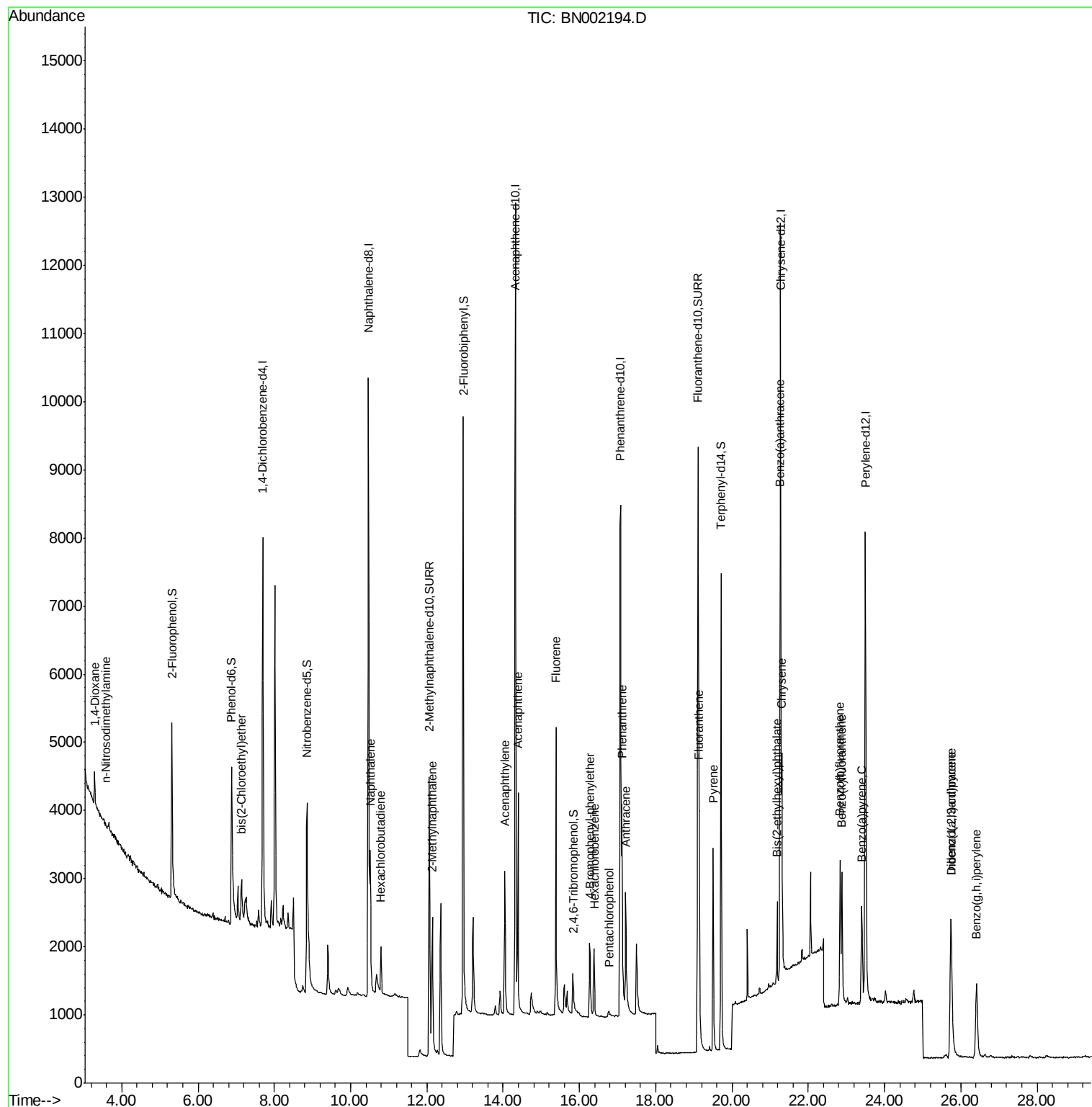
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	411	0.108	ng	84
3) n-Nitrosodimethylamine	3.60	42	16	0.120	ng	# 5
6) bis(2-Chloroethyl)ether	7.14	93	819	0.089	ng	98
9) Naphthalene	10.52	128	2846	0.093	ng	# 90
10) Hexachlorobutadiene	10.80	225	624	0.094	ng	# 54
12) 2-Methylnaphthalene	12.14	142	1840	0.089	ng	98
16) Acenaphthylene	14.04	152	2641	0.085	ng	99
17) Acenaphthene	14.39	154	1826	0.091	ng	97
18) Fluorene	15.38	166	2155	0.088	ng	# 79
20) 4-Bromophenyl-phenylether	16.27	248	715	0.084	ng	# 76
21) Hexachlorobenzene	16.39	284	913	0.097	ng	96
22) Pentachlorophenol	16.77	266	95	0.134	ng	# 74
23) Phenanthrene	17.11	178	3312	0.089	ng	97
24) Anthracene	17.22	178	2356	0.076	ng	97
26) Fluoranthene	19.14	202	3285	0.081	ng	97
28) Pyrene	19.50	202	3311	0.100	ng	99
30) Benzo(a)anthracene	21.26	228	2659	0.094	ng	97
31) Chrysene	21.31	228	2902	0.092	ng	96
32) Bis(2-ethylhexyl)phthalate	21.18	149	1145	0.089	ng	# 95
33) Indeno(1,2,3-cd)pyrene	25.74	276	3135	0.106	ng	# 93
35) Benzo(b)fluoranthene	22.84	252	2745	0.088	ng	# 92
36) Benzo(k)fluoranthene	22.88	252	2975	0.092	ng	# 78
37) Benzo(a)pyrene	23.41	252	2562	0.091	ng	# 73
38) Dibenzo(a,h)anthracene	25.75	278	2563	0.093	ng	# 89
39) Benzo(g,h,i)perylene	26.41	276	2730	0.097	ng	# 91

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.70 min Scan# 580

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :

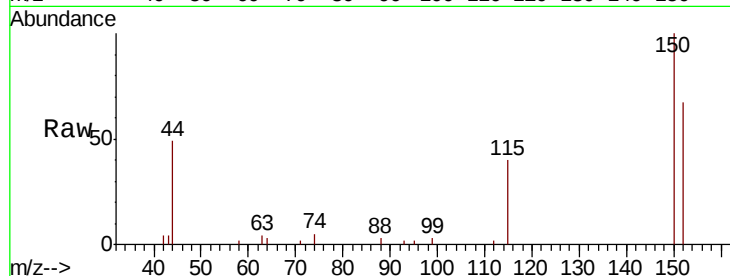
Tot Ion:152 Resp: 3370

Ion Ratio Lower Upper

152 100

150 148.4 117.2 175.8

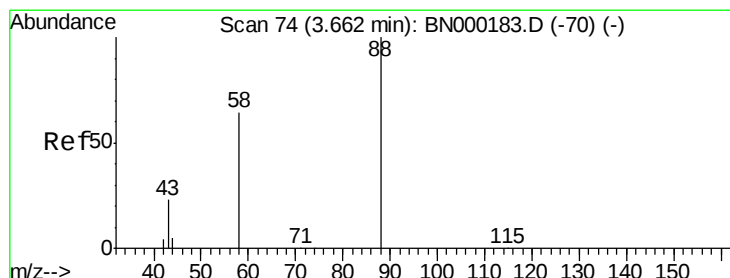
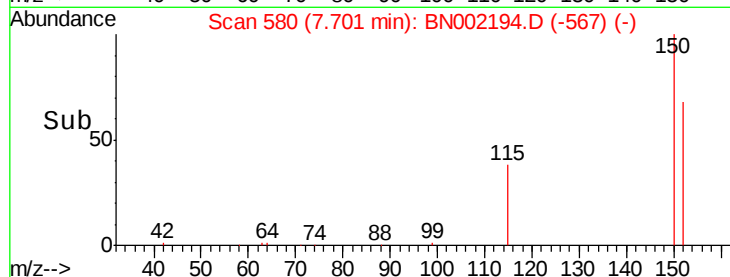
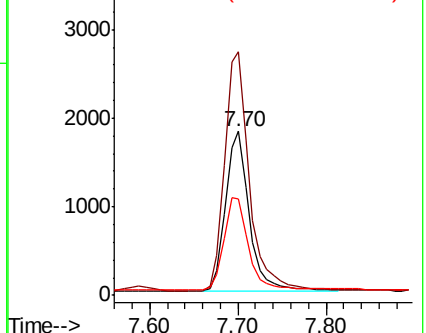
115 58.7 57.0 85.6



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: 0.108 ng

RT: 3.29 min Scan# 32

Delta R.T. -0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

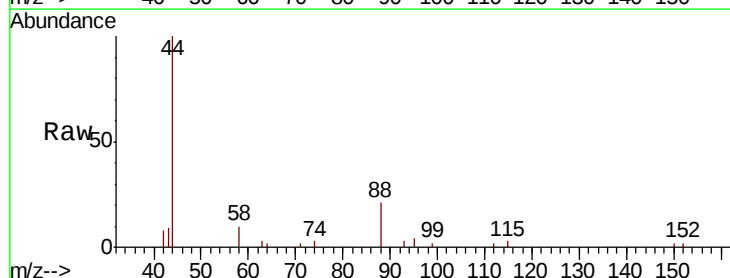
Tgt Ion: 88 Resp: 411

Ion Ratio Lower Upper

88 100

58 73.2 72.0 108.0

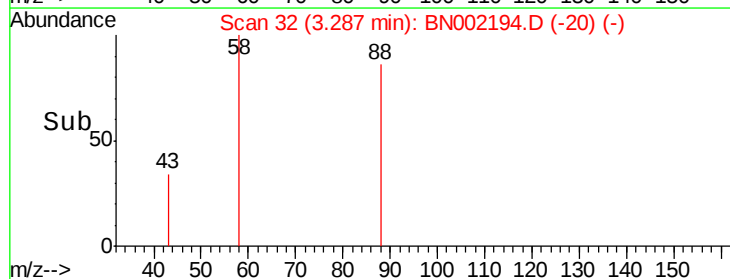
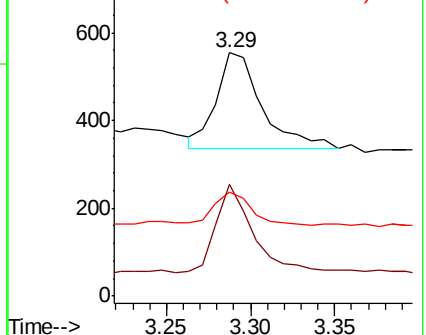
43 29.2 28.0 42.0

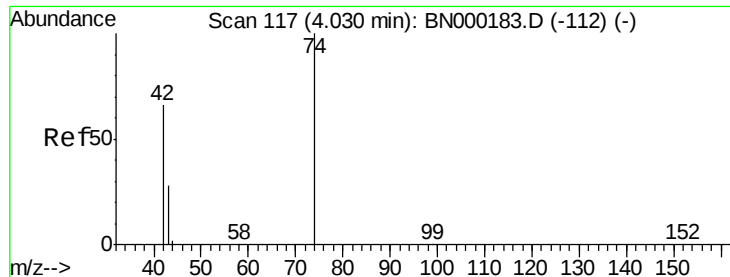


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC



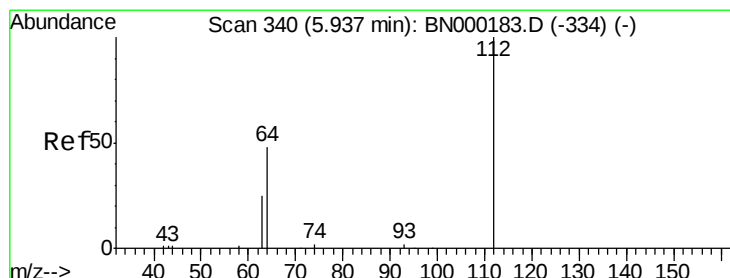
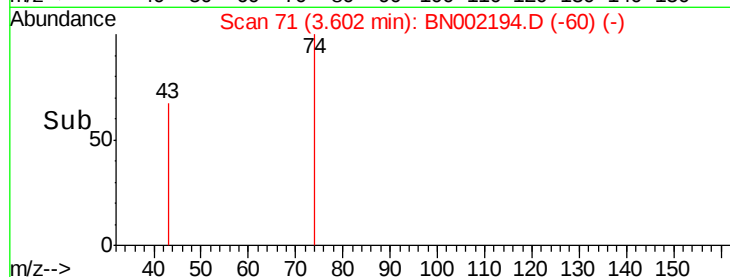
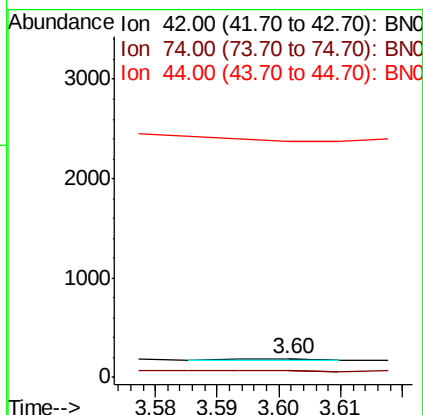
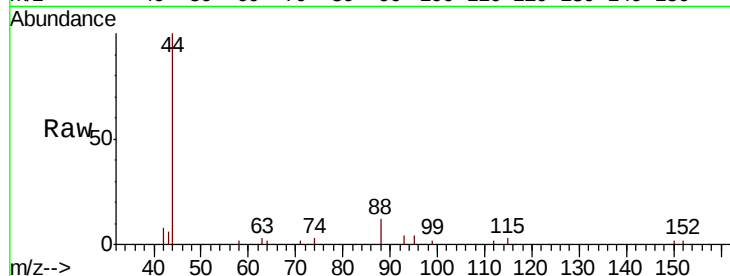


#3

n-Nitrosodimethylamine
 Concen: 0.120 ng
 RT: 3.60 min Scan# 71
 Delta R.T. -0.01 min
 Lab File: BN002194.D
 Acq: 30 Jul 2018 20:11

Instrument :
 BNA_N
 ClientSampleId :

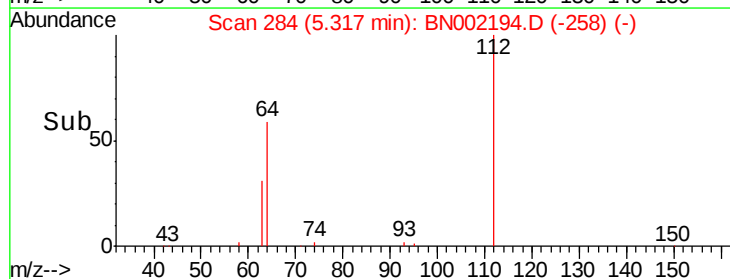
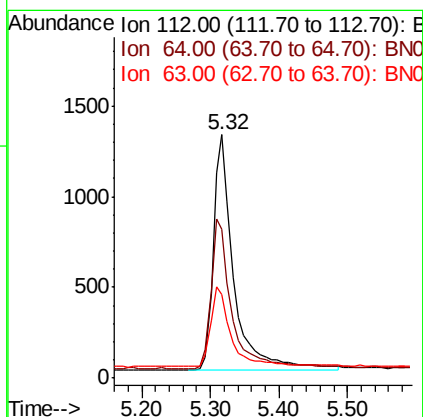
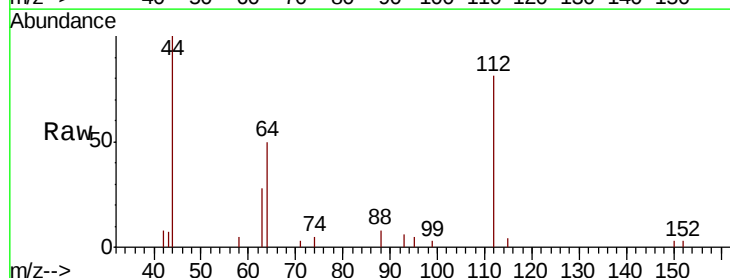
Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	88.0	132.0#
44	0.0	16.0	24.0#

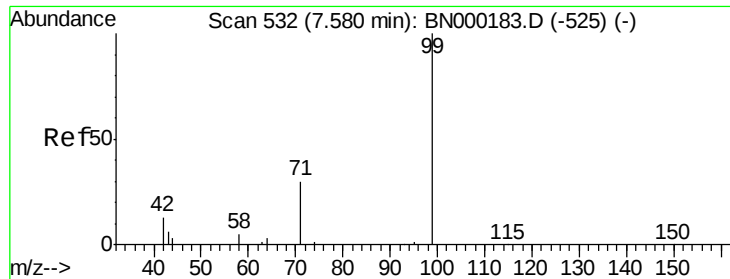


#4

2-Fluorophenol
 Concen: 0.344 ng
 RT: 5.32 min Scan# 284
 Delta R.T. 0.01 min
 Lab File: BN002194.D
 Acq: 30 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	60.1	90.1
63	34.4	116.8	175.2#





#5

Phenol-d6

Concen: 0.310 ng

RT: 6.88 min Scan# 478

Delta R.T. -0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :

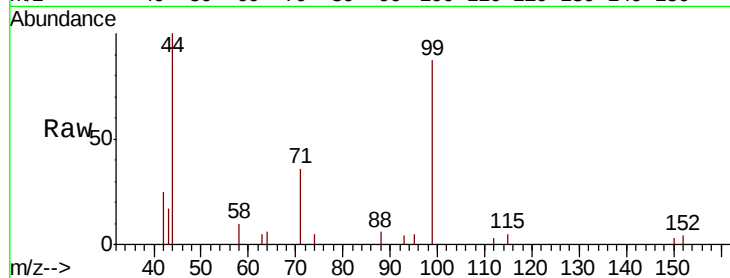
Tot Ion: 99 Resp: 2962

Ion Ratio Lower Upper

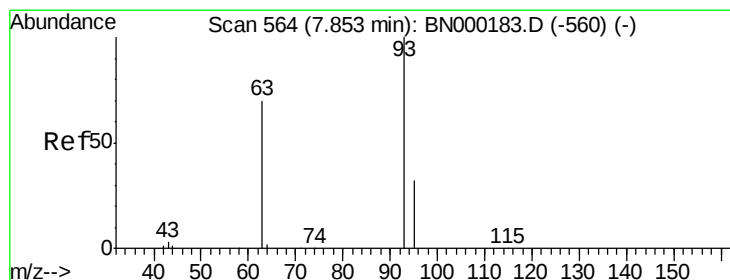
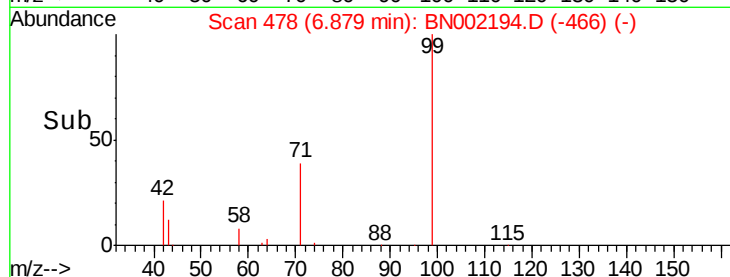
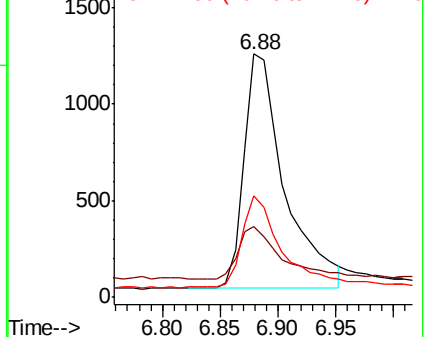
99 100

42 24.1 20.2 30.2

71 37.1 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BNC
Ion 42.00 (41.70 to 42.70): BNC
Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 0.089 ng

RT: 7.14 min Scan# 510

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

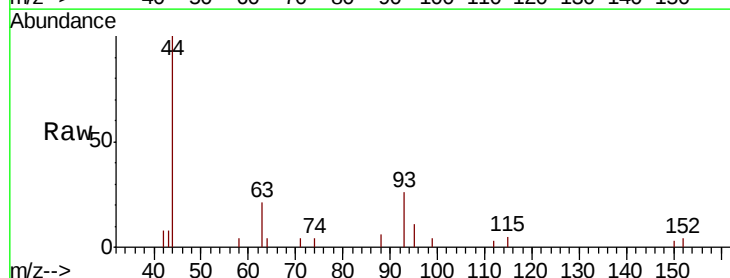
Tgt Ion: 93 Resp: 819

Ion Ratio Lower Upper

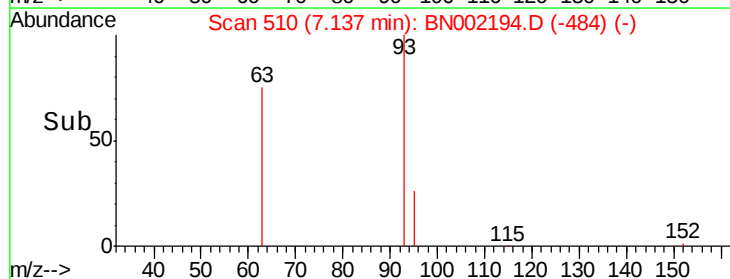
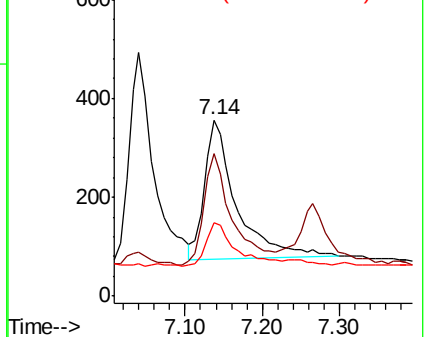
93 100

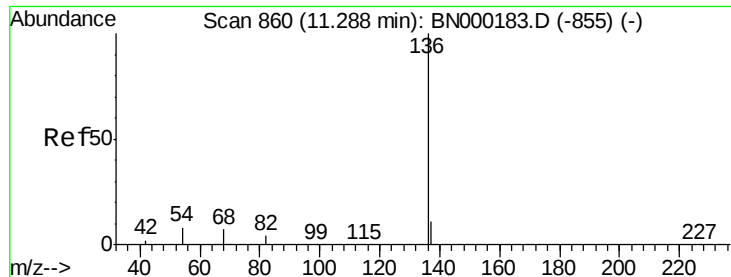
63 70.9 56.0 84.0

95 29.7 25.2 37.8



Abundance Ion 93.00 (92.70 to 93.70): BNC
Ion 63.00 (62.70 to 63.70): BNC
Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 835

Delta R.T. -0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 13586

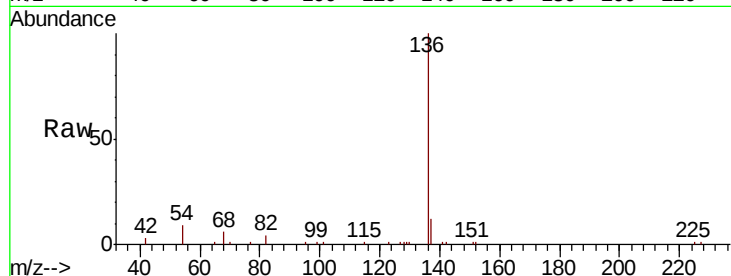
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 9.0 29.1 43.7#

68 5.9 6.2 9.2#

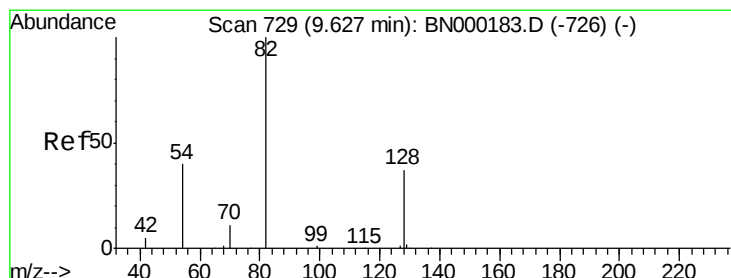
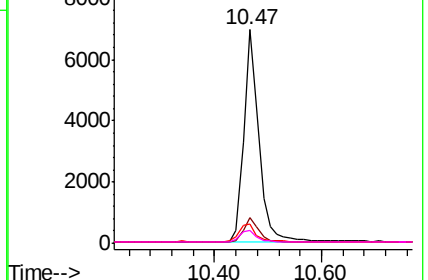
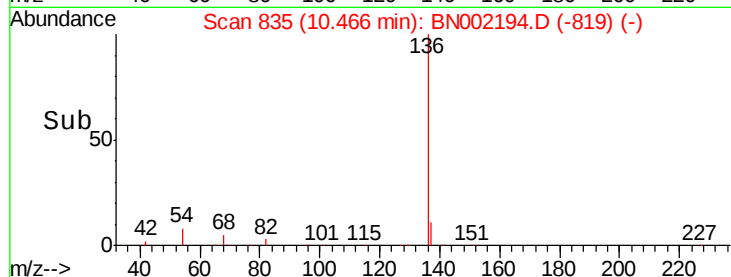


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.338 ng

RT: 8.86 min Scan# 708

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

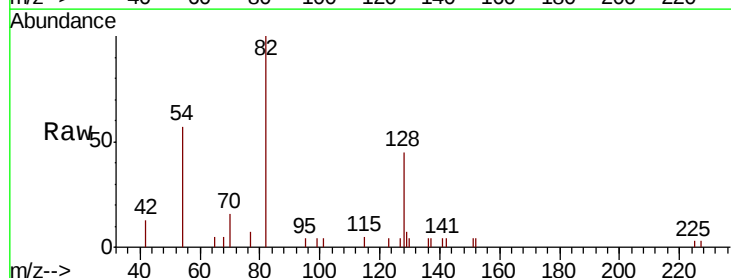
Tgt Ion: 82 Resp: 3455

Ion Ratio Lower Upper

82 100

128 44.9 150.0 225.0#

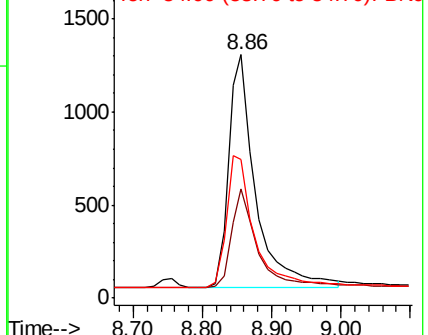
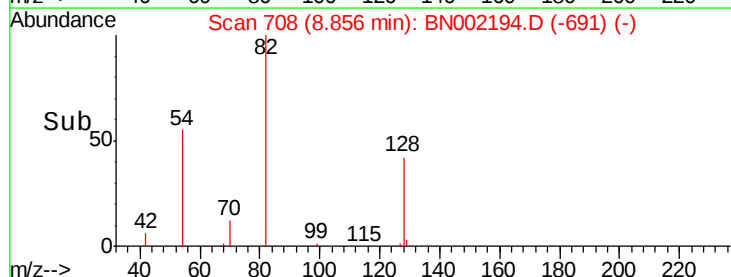
54 56.7 154.2 231.4#

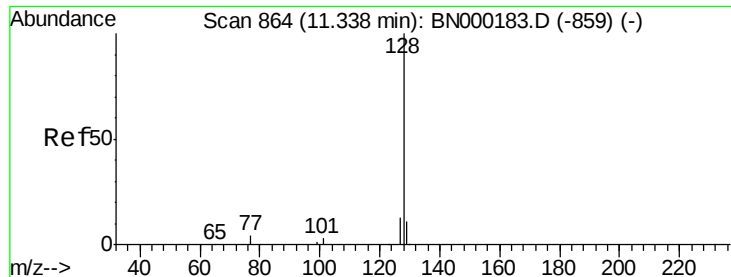


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.093 ng

RT: 10.52 min Scan# 839

Delta R.T. -0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :

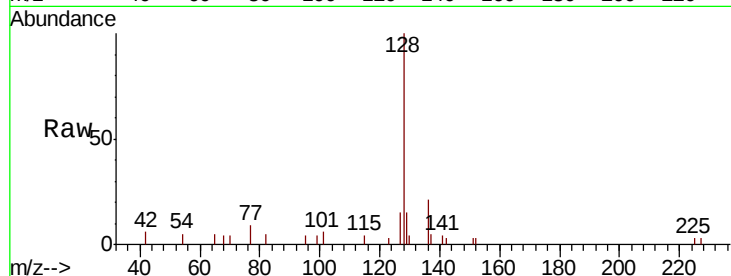
Tot Ion:128 Resp: 2846

Ion Ratio Lower Upper

128 100

129 14.6 8.0 12.0#

127 15.4 9.6 14.4#

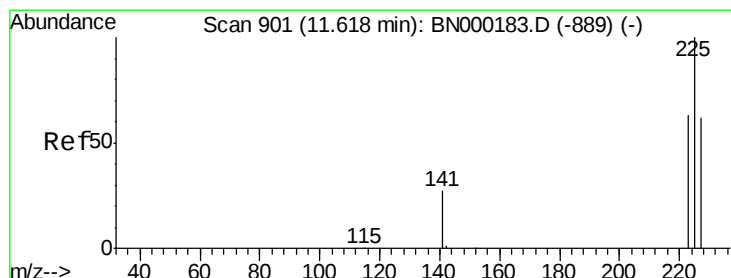
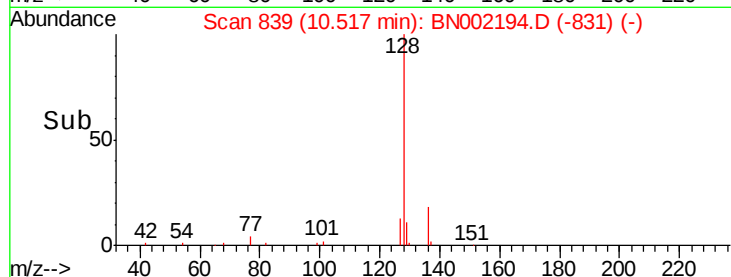
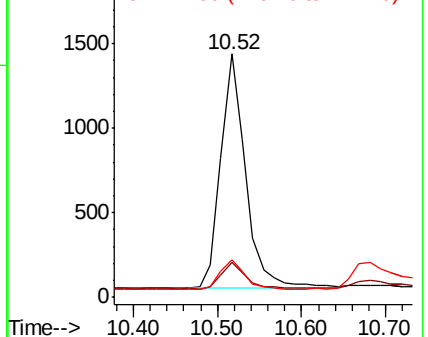


Abundance

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: 0.094 ng

RT: 10.80 min Scan# 861

Delta R.T. -0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

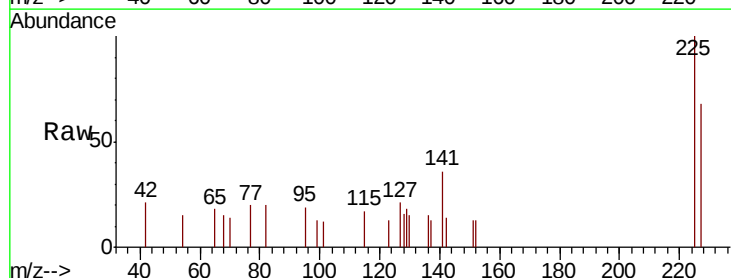
Tgt Ion:225 Resp: 624

Ion Ratio Lower Upper

225 100

223 0.0 52.0 78.0#

227 64.6 48.0 72.0

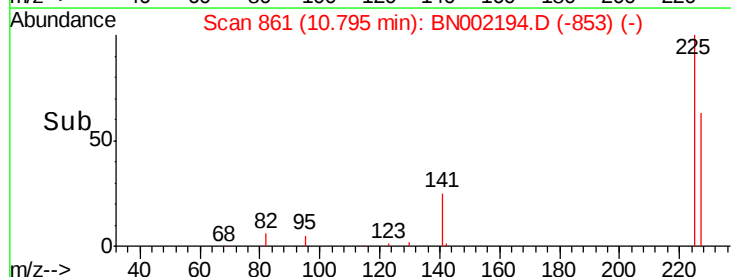
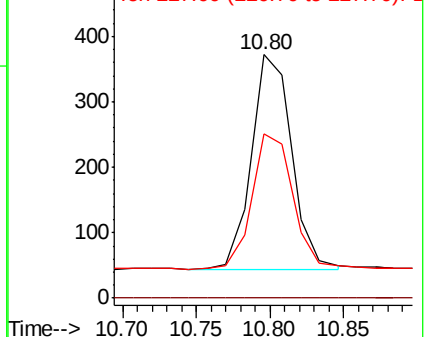


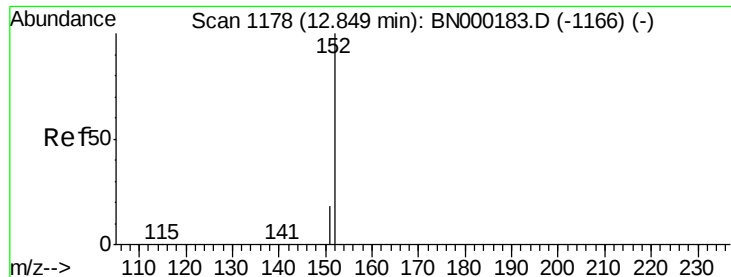
Abundance

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

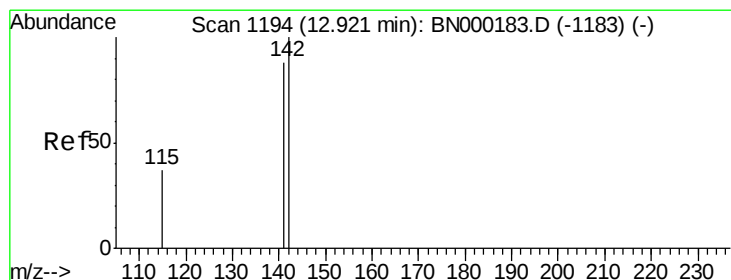
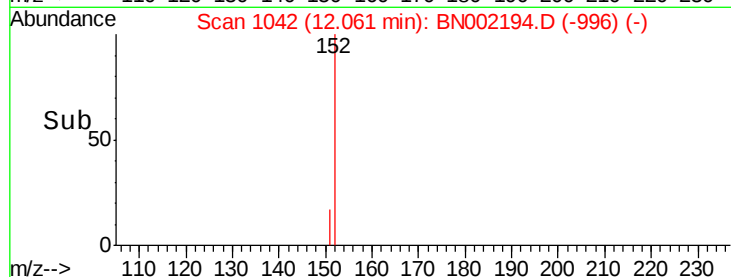
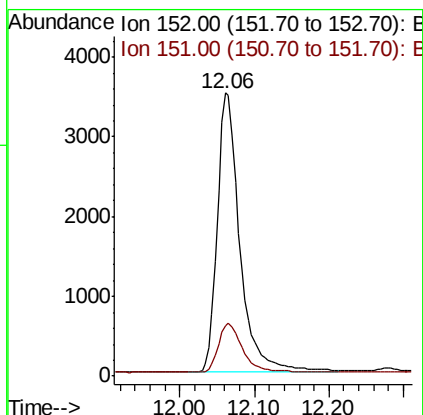
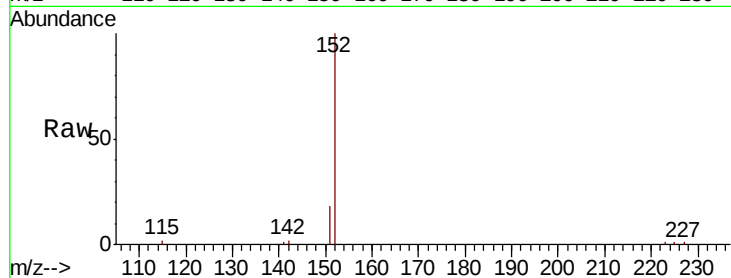




#11
2-Methylnaphthalene-d10
Concen: 0.371 ng
RT: 12.06 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BN002194.D
Acq: 30 Jul 2018 20:11

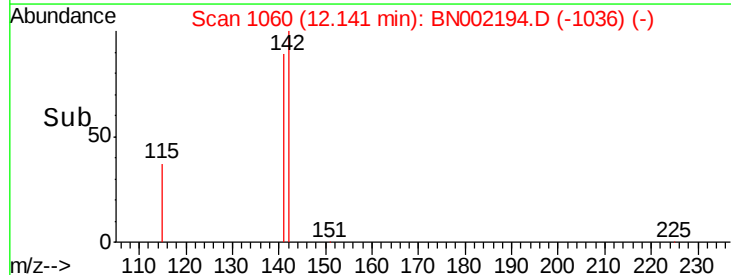
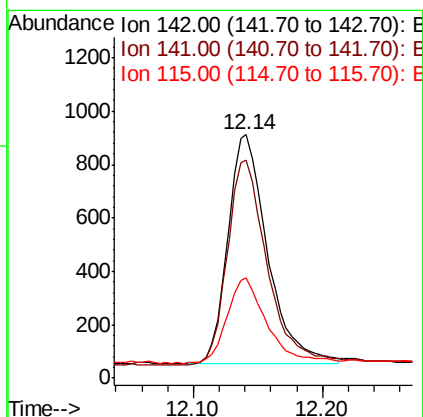
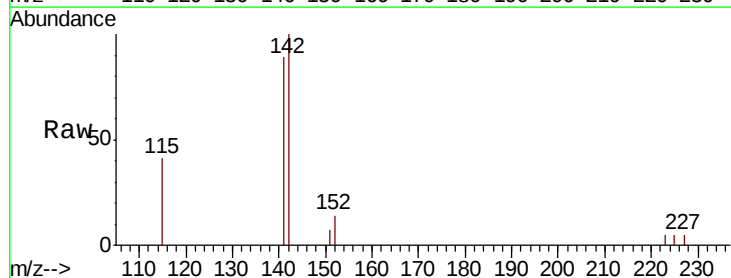
Instrument :
BNA_N
ClientSampleId :

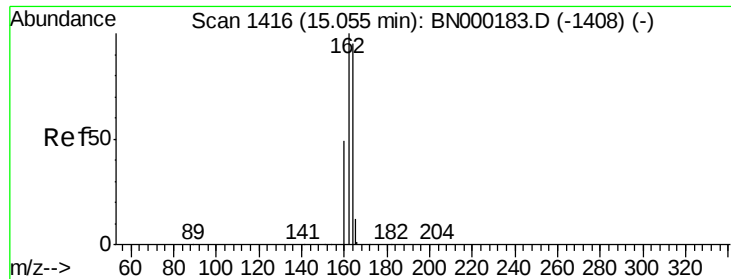
Tot Ion:152 Resp: 7423
Ion Ratio Lower Upper
152 100
151 18.8 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.089 ng
RT: 12.14 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BN002194.D
Acq: 30 Jul 2018 20:11

Tgt Ion:142 Resp: 1840
Ion Ratio Lower Upper
142 100
141 89.5 70.4 105.6
115 41.3 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :

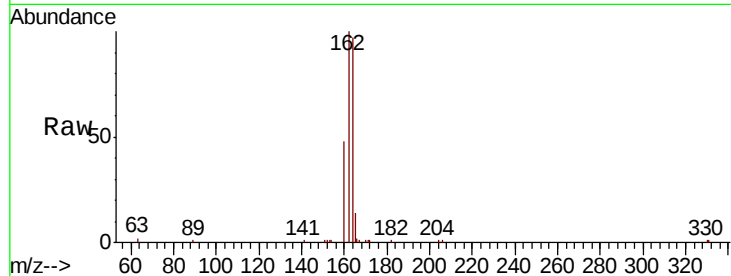
Tot Ion:164 Resp: 7285

Ion Ratio Lower Upper

164 100

162 103.1 83.1 124.7

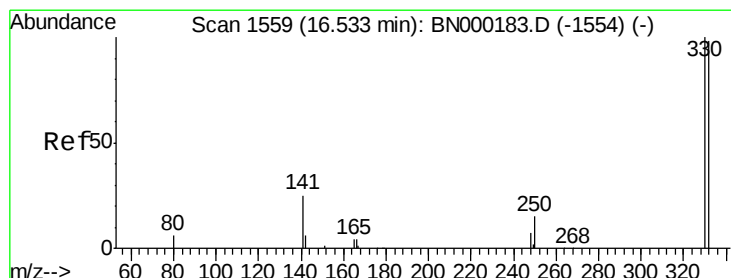
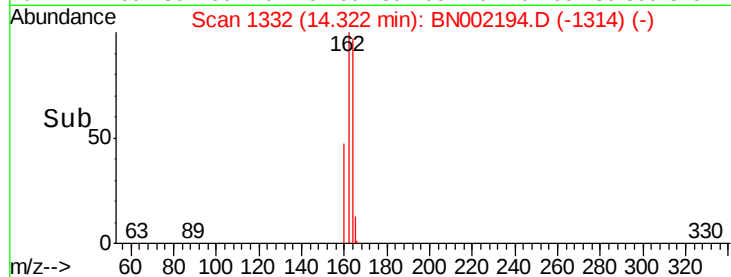
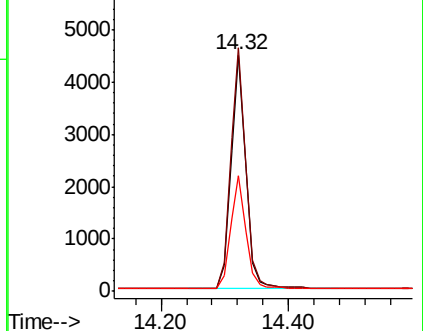
160 49.2 37.1 55.7



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: 0.253 ng

RT: 15.84 min Scan# 1468

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

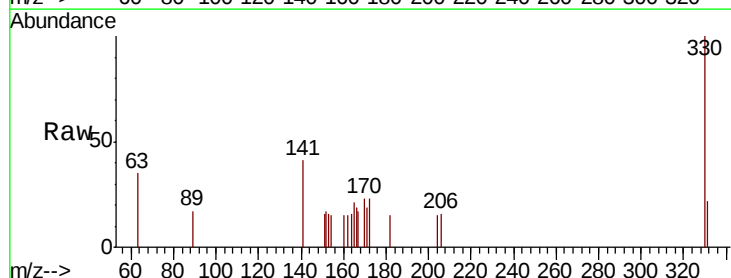
Tgt Ion:330 Resp: 788

Ion Ratio Lower Upper

330 100

332 0.0 152.7 229.1#

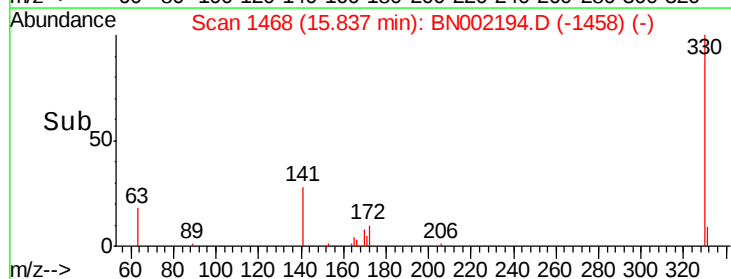
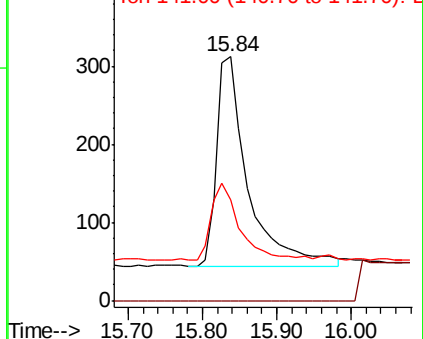
141 34.3 33.7 50.5

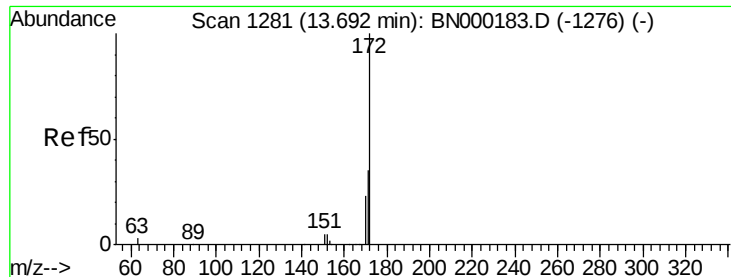


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

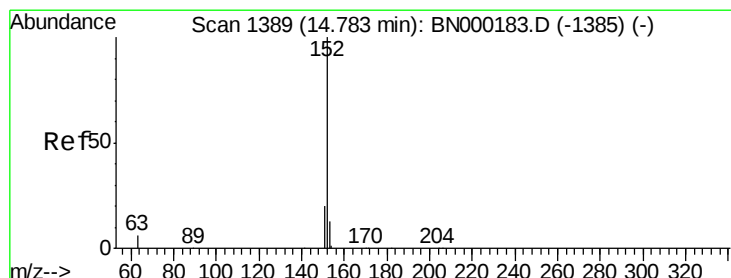
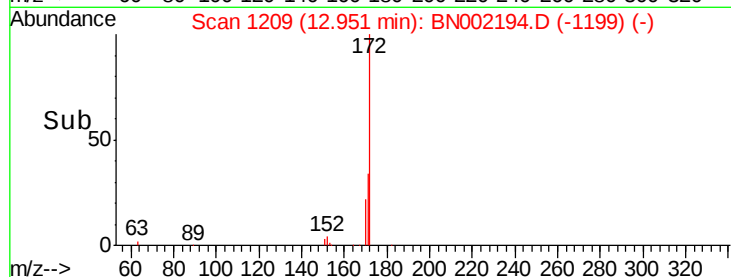
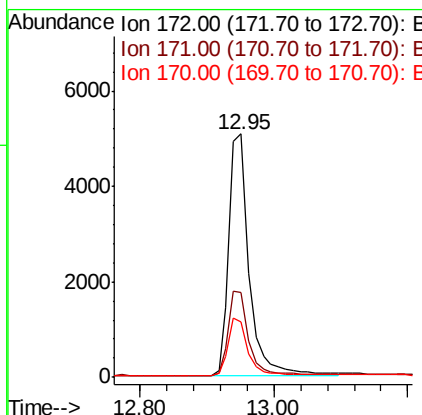
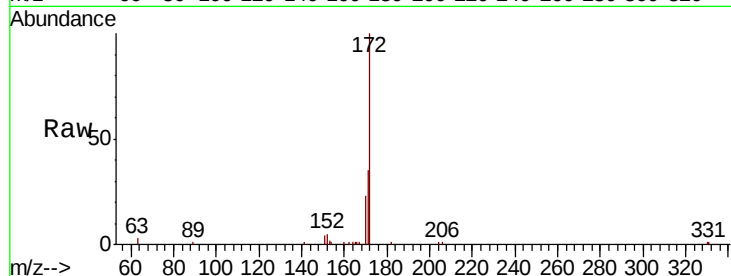




#15
2-Fluorobiphenyl
Concen: 0.377 ng
RT: 12.95 min Scan# 1209
Delta R.T. 0.01 min
Lab File: BN002194.D
Acq: 30 Jul 2018 20:11

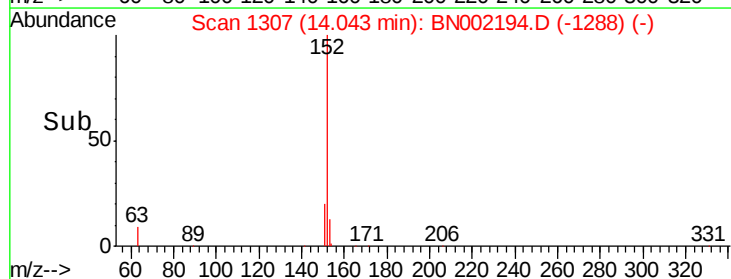
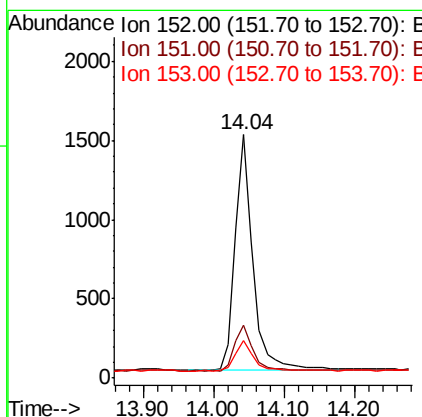
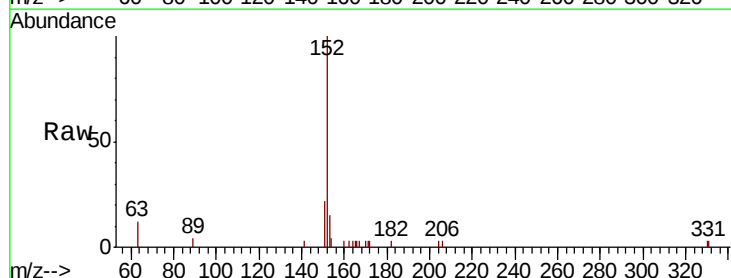
Instrument :
BNA_N
ClientSampleId :

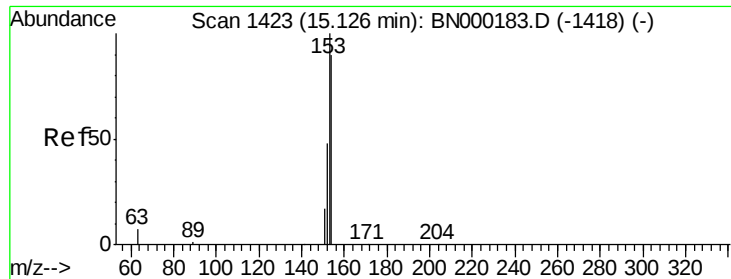
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.9	44.9
170	22.5	21.8	32.8



#16
Acenaphthylene
Concen: 0.085 ng
RT: 14.04 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BN002194.D
Acq: 30 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.7	23.5
153	13.2	10.5	15.7





#17

Acenaphthene

Concen: 0.091 ng

RT: 14.39 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :

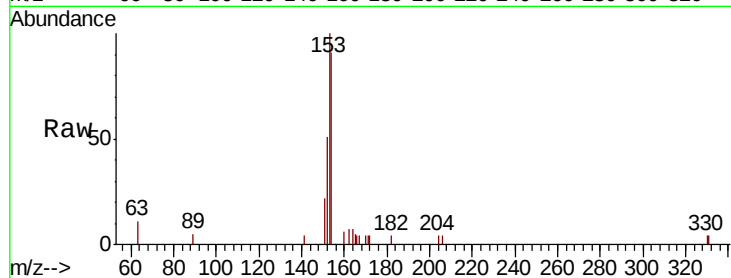
Tot Ion:154 Resp: 1826

Ion Ratio Lower Upper

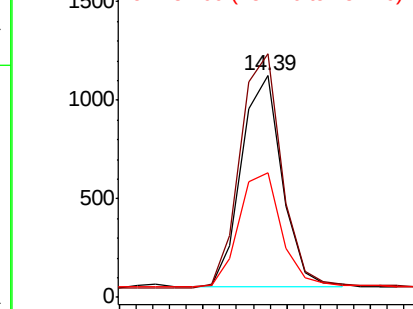
154 100

153 113.0 89.2 133.8

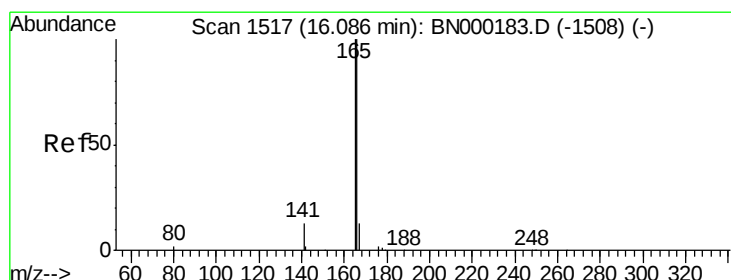
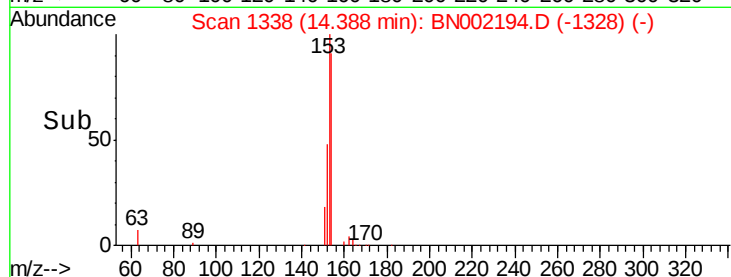
152 56.4 42.0 63.0



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



Time--> 14.30 14.35 14.40 14.45



#18

Fluorene

Concen: 0.088 ng

RT: 15.38 min Scan# 1427

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

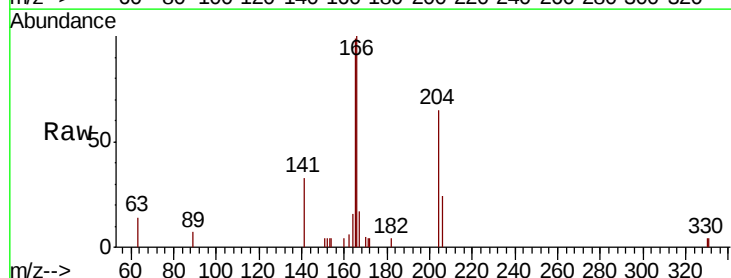
Tgt Ion:166 Resp: 2155

Ion Ratio Lower Upper

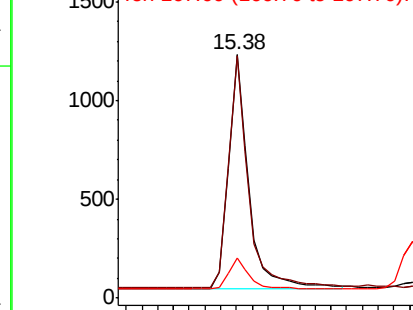
166 100

165 99.4 77.8 116.6

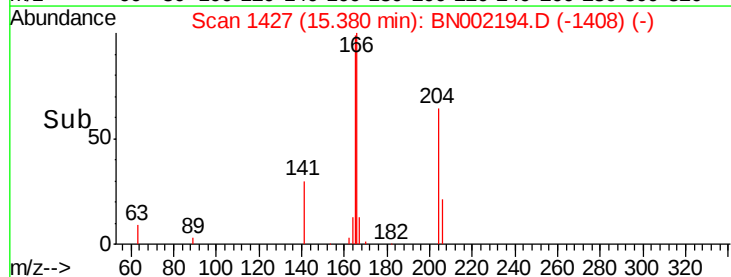
167 13.5 42.4 63.6#

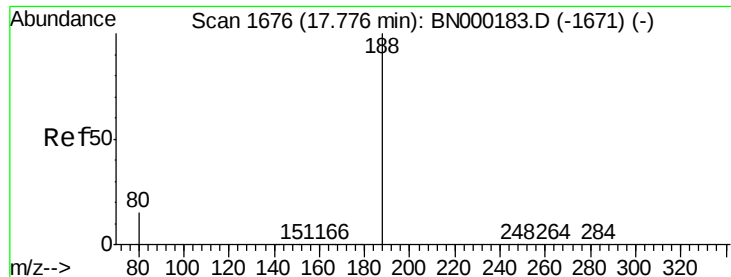


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time--> 15.30 15.40 15.50





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :

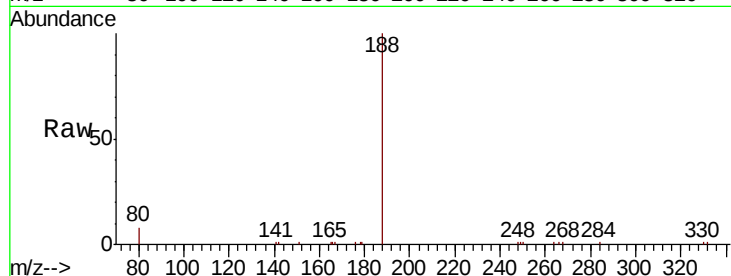
Tot Ion:188 Resp: 14988

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

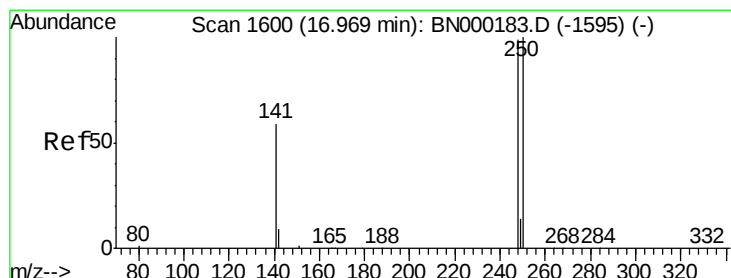
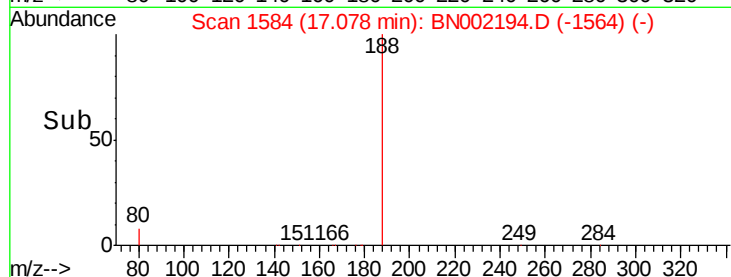
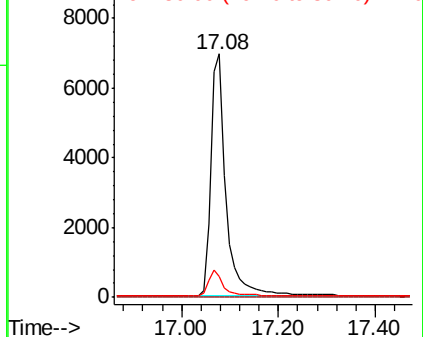
80 8.4 3.6 5.4#



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: 0.084 ng

RT: 16.27 min Scan# 1508

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

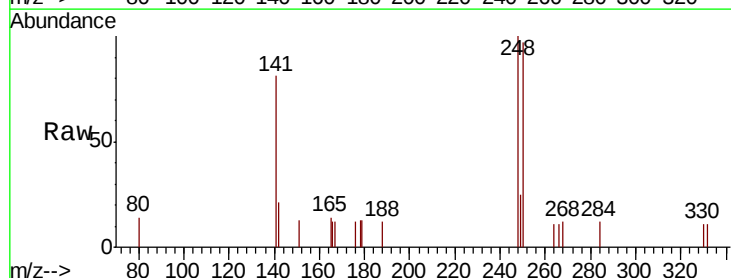
Tgt Ion:248 Resp: 715

Ion Ratio Lower Upper

248 100

250 97.3 62.7 94.1#

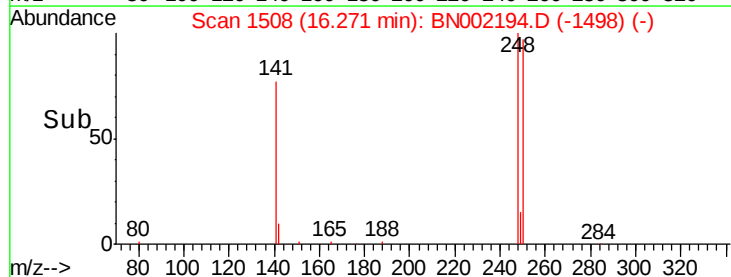
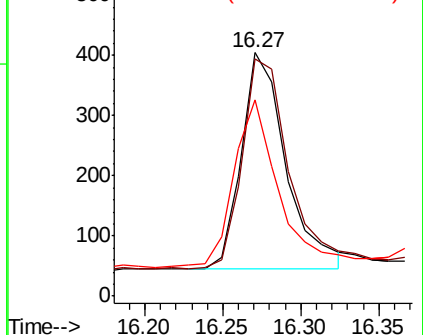
141 80.9 48.2 72.2#

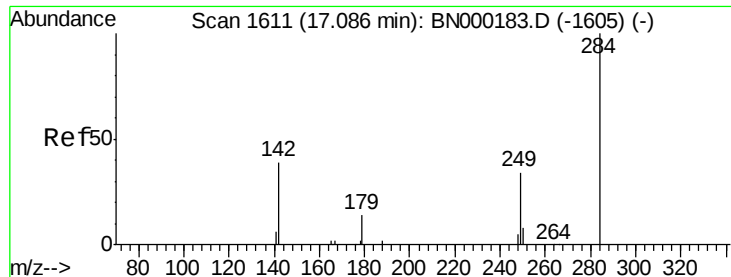


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.097 ng

RT: 16.39 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :

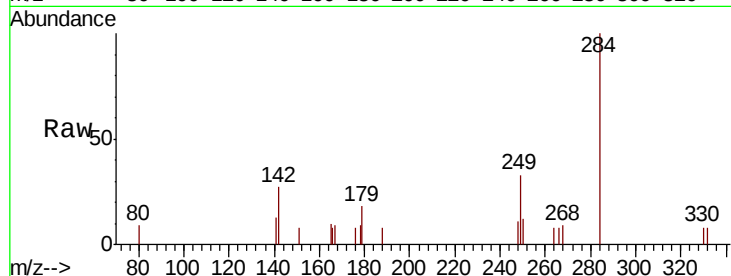
Tot Ion:284 Resp: 913

Ion Ratio Lower Upper

284 100

142 35.5 32.0 48.0

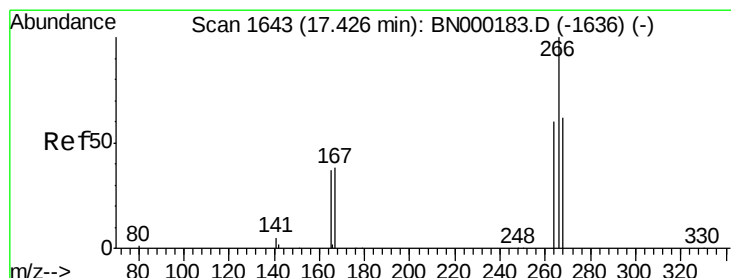
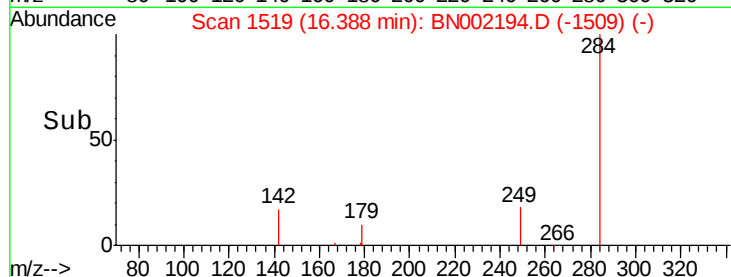
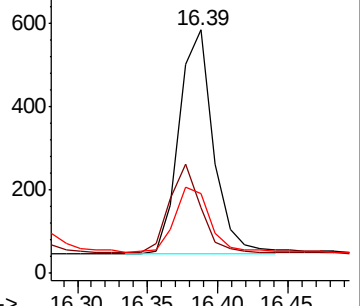
249 30.0 24.0 36.0



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: 0.134 ng

RT: 16.77 min Scan# 1555

Delta R.T. 0.03 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

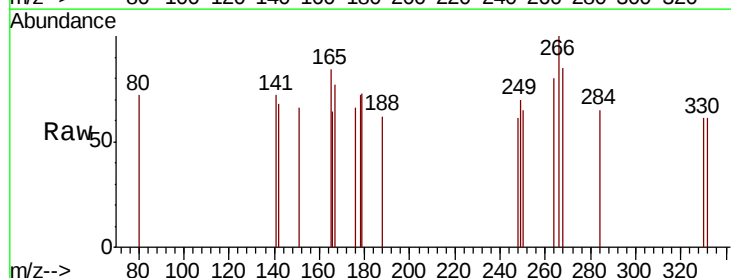
Tgt Ion:266 Resp: 95

Ion Ratio Lower Upper

266 100

264 79.7 48.0 72.0#

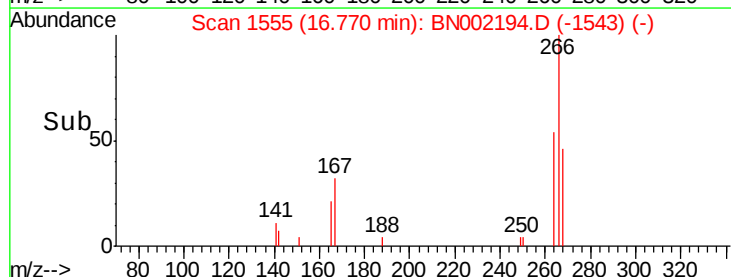
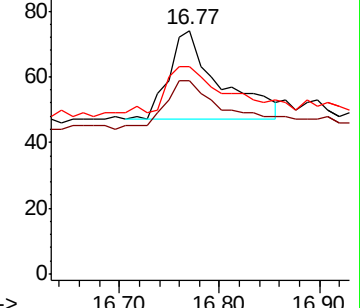
268 85.1 52.0 78.0#

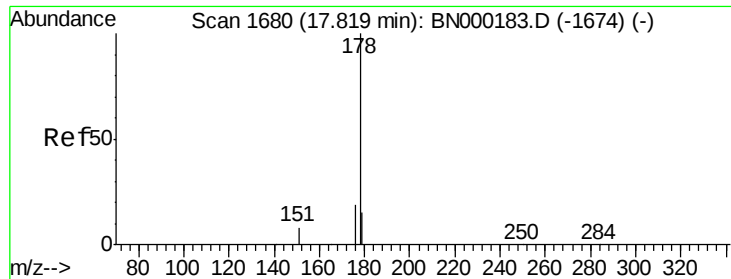


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.089 ng

RT: 17.11 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :

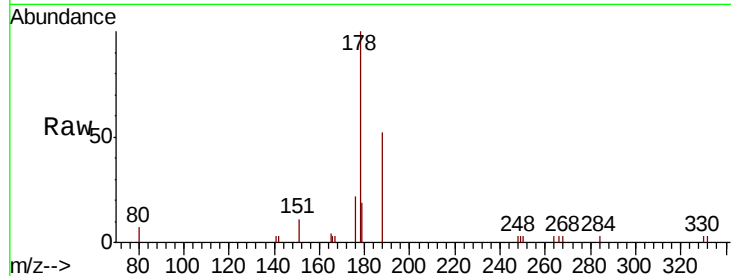
Tot Ion:178 Resp: 3312

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

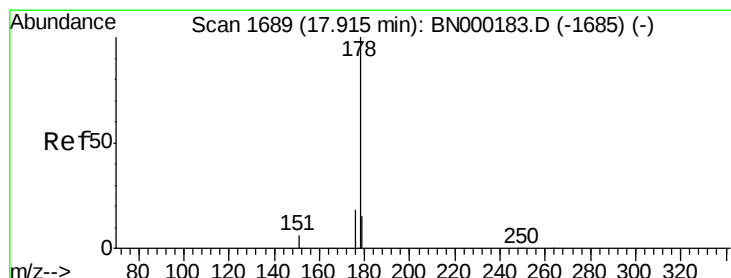
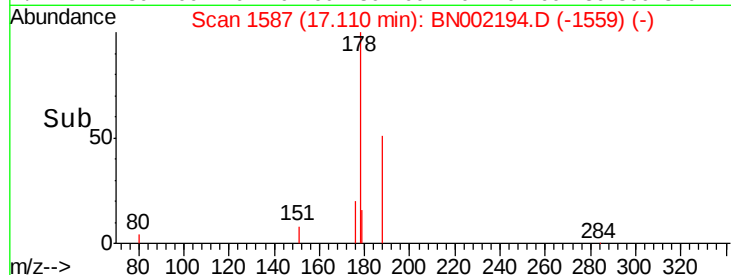
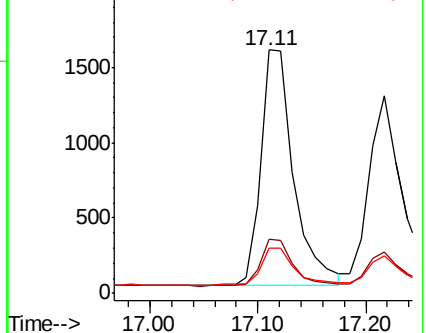
179 16.7 11.8 17.6



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: 0.076 ng

RT: 17.22 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

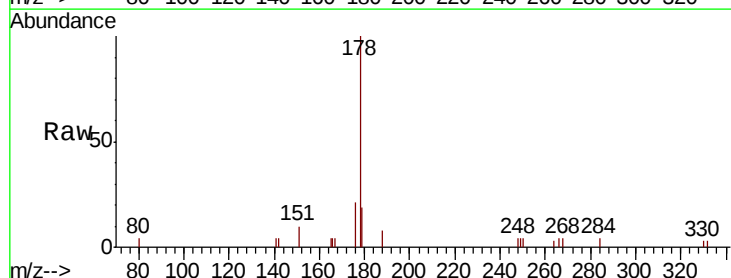
Tgt Ion:178 Resp: 2356

Ion Ratio Lower Upper

178 100

176 17.9 12.8 19.2

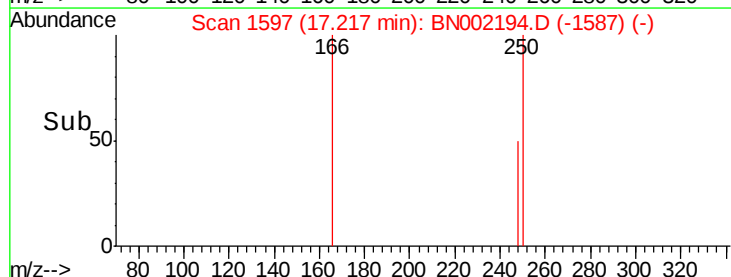
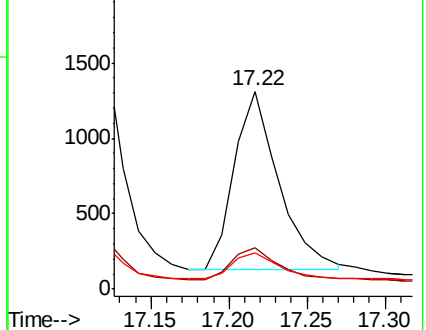
179 15.7 13.0 19.6

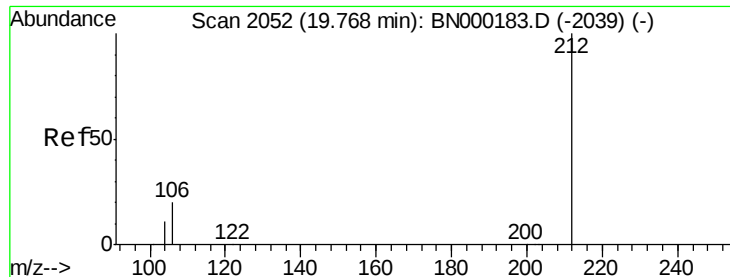


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.356 ng

RT: 19.11 min Scan# 1893

Delta R.T. 0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :

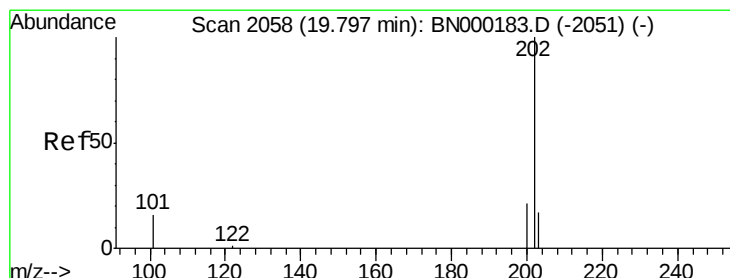
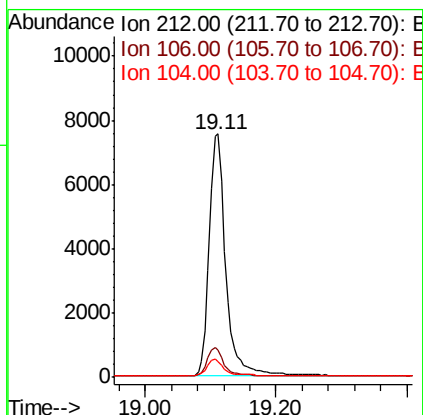
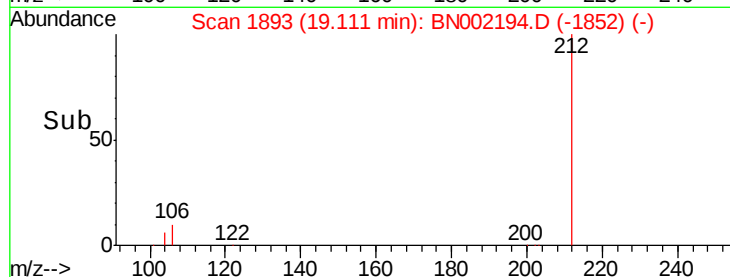
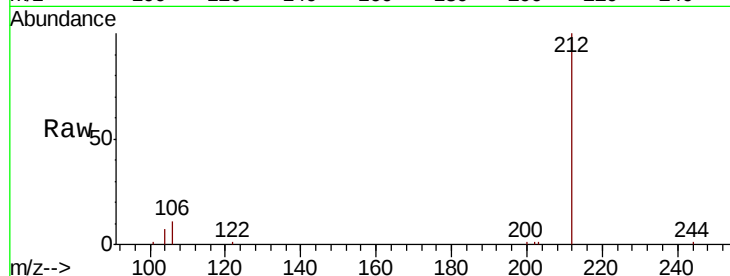
Tot Ion:212 Resp: 13174

Ion Ratio Lower Upper

212 100

106 11.4 2.8 4.2#

104 6.3 1.6 2.4#



#26

Fluoranthene

Concen: 0.081 ng

RT: 19.14 min Scan# 1899

Delta R.T. 0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

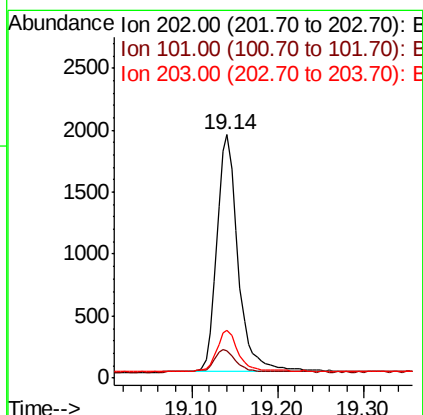
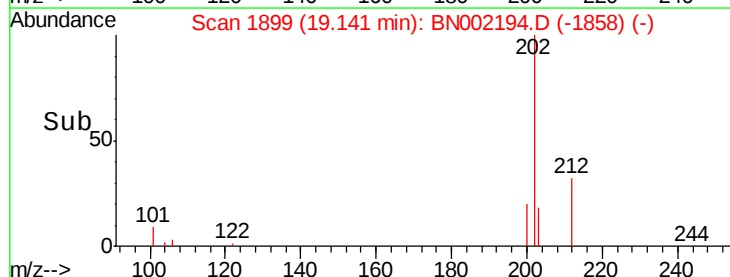
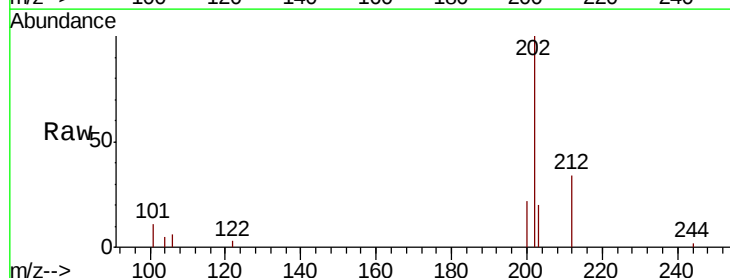
Tgt Ion:202 Resp: 3285

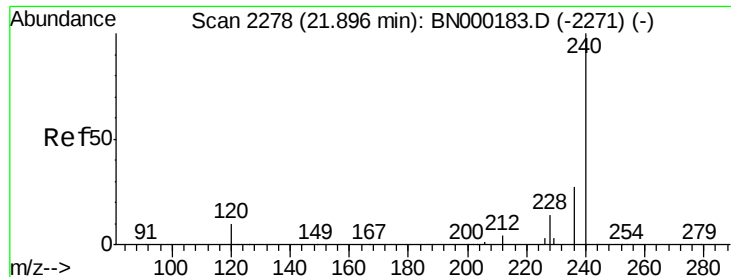
Ion Ratio Lower Upper

202 100

101 10.0 9.8 14.8

203 17.6 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :

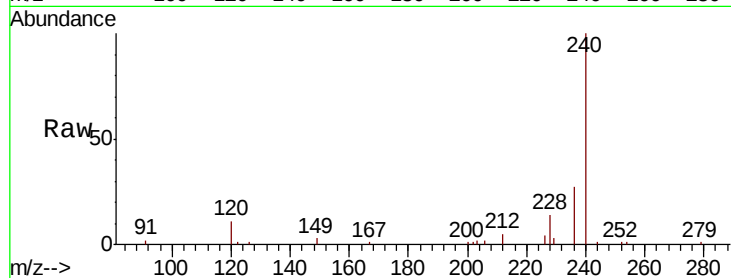
Tot Ion:240 Resp: 11186

Ion Ratio Lower Upper

240 100

120 10.8 5.5 8.3#

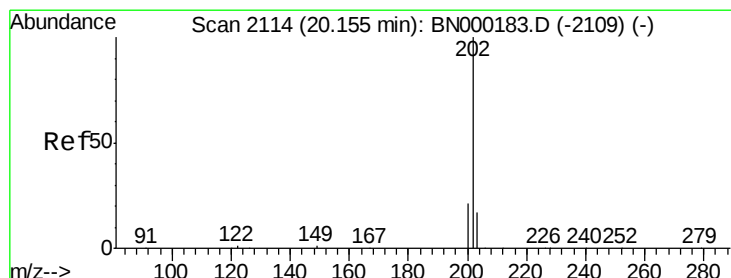
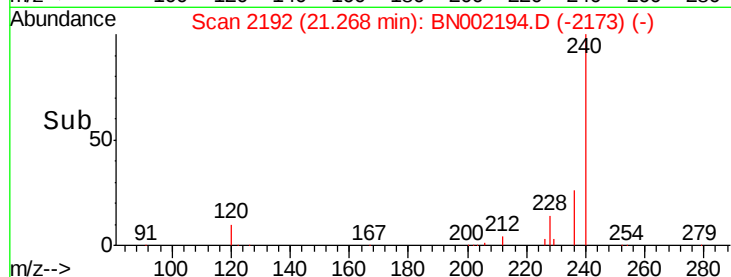
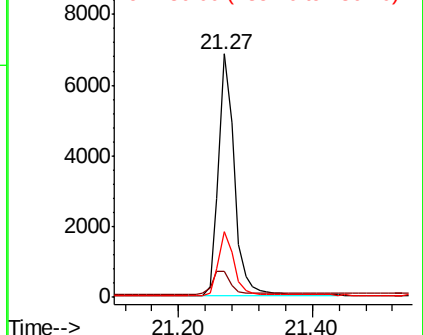
236 27.0 20.7 31.1



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: 0.100 ng

RT: 19.50 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

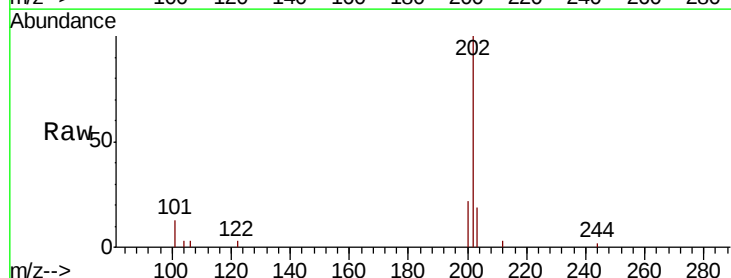
Tgt Ion:202 Resp: 3311

Ion Ratio Lower Upper

202 100

200 20.1 16.6 25.0

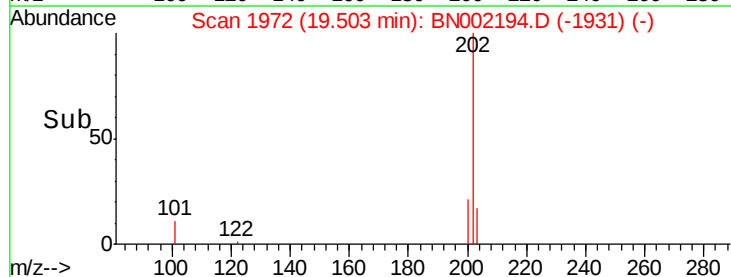
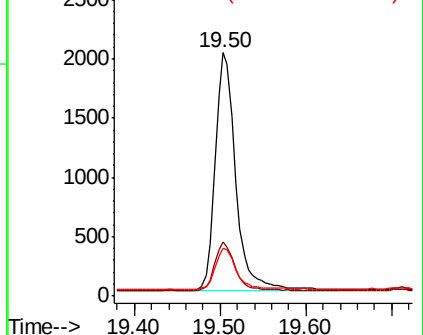
203 17.7 13.8 20.8



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: 0.360 ng

RT: 19.71 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :

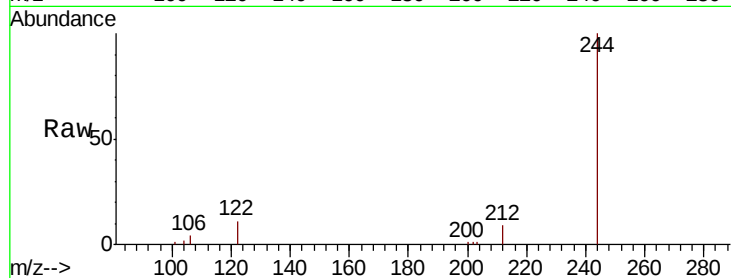
Tot Ion:244 Resp: 8612

Ion Ratio Lower Upper

244 100

212 8.7 25.4 38.0#

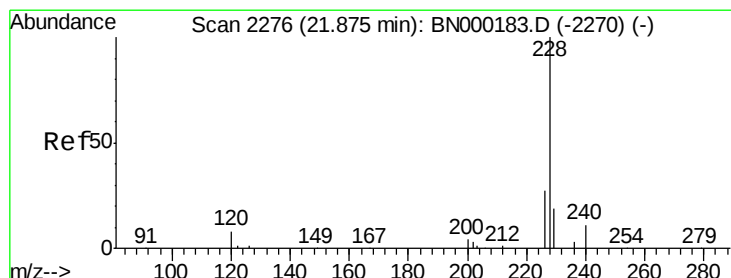
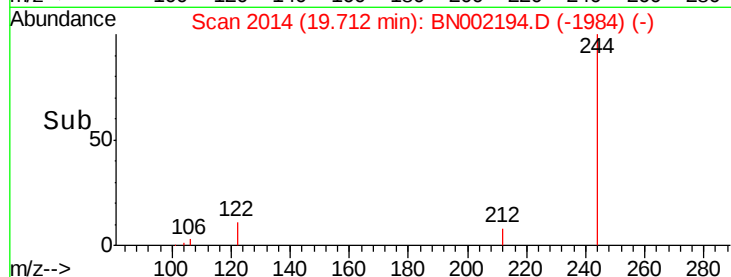
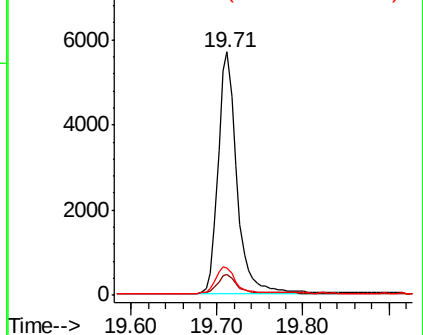
122 11.4 8.1 12.1



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: 0.094 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

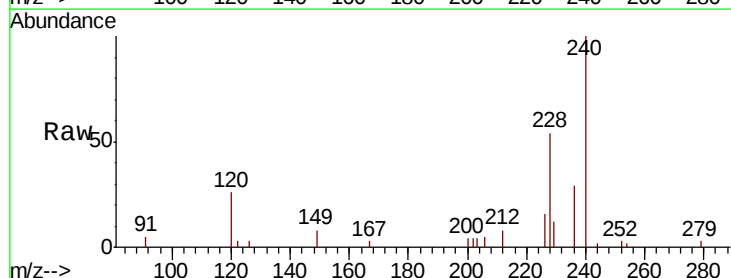
Tgt Ion:228 Resp: 2659

Ion Ratio Lower Upper

228 100

226 29.0 24.0 36.0

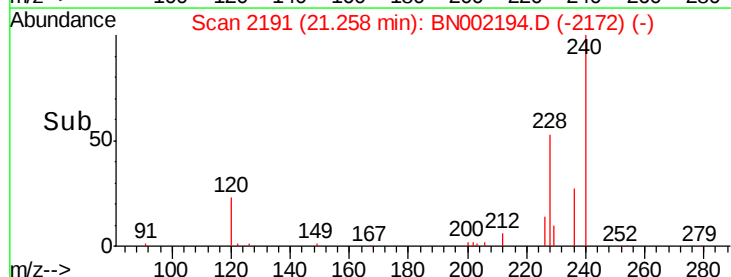
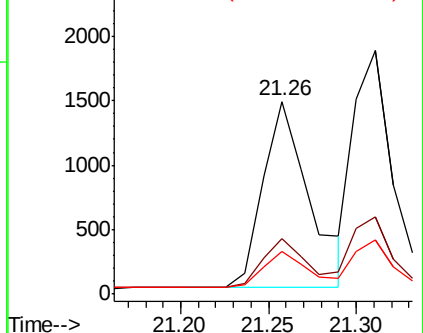
229 21.8 16.0 24.0



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: 0.092 ng

RT: 21.31 min Scan# 2196

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :

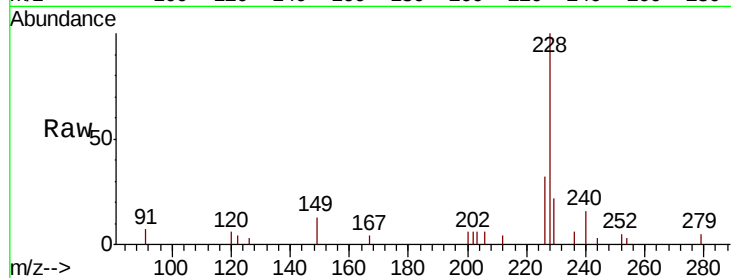
Tot Ion:228 Resp: 2902

Ion Ratio Lower Upper

228 100

226 31.6 24.0 36.0

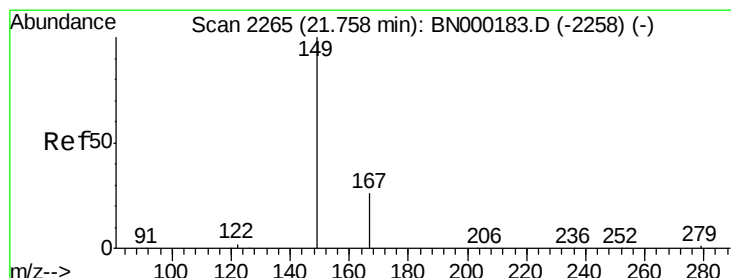
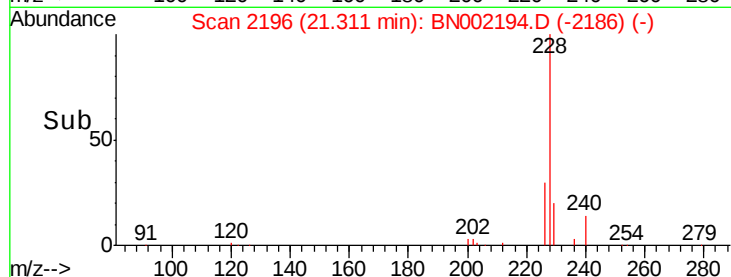
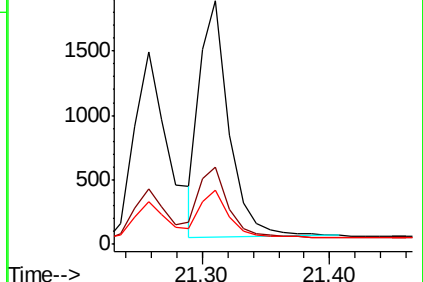
229 22.4 16.0 24.0



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: 0.089 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

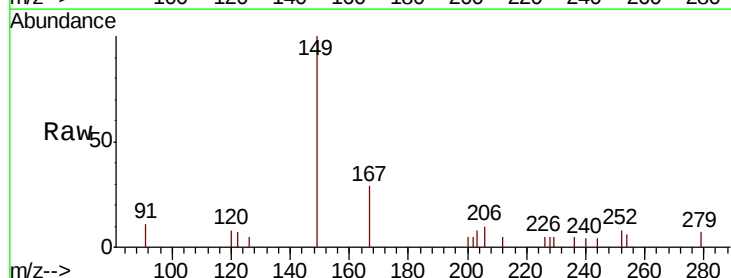
Tgt Ion:149 Resp: 1145

Ion Ratio Lower Upper

149 100

167 27.2 20.0 30.0

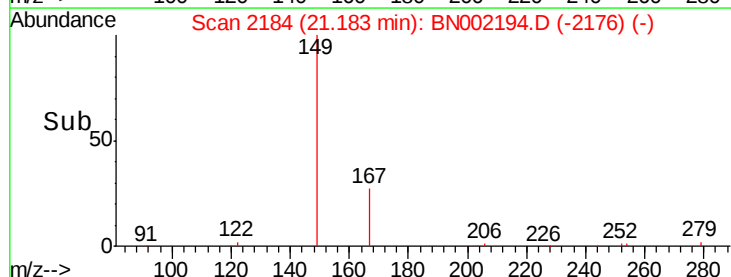
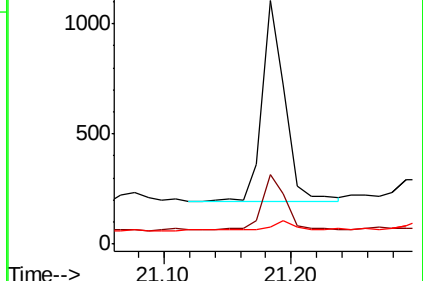
279 4.7 1.6 2.4#



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

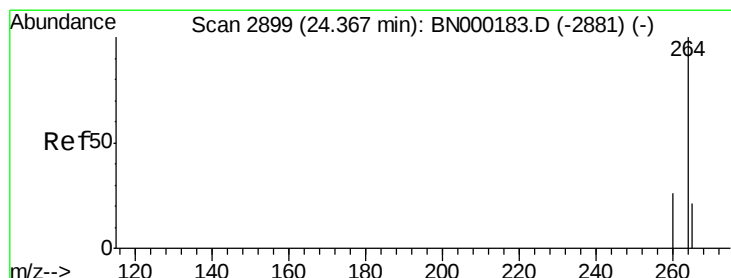
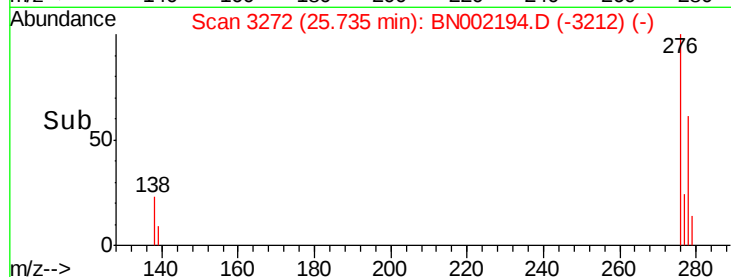
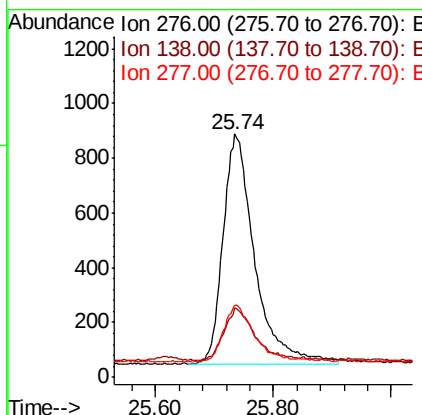
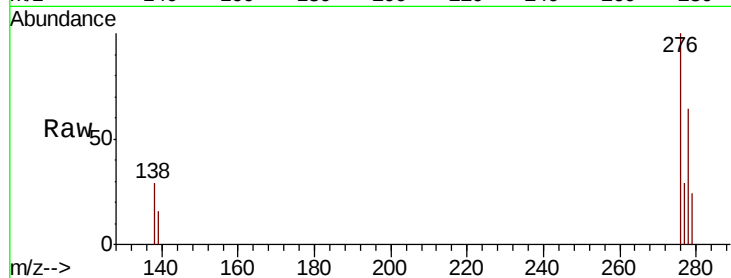




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.106 ng
 RT: 25.74 min Scan# 3272
 Delta R.T. 0.01 min
 Lab File: BN002194.D
 Acq: 30 Jul 2018 20:11

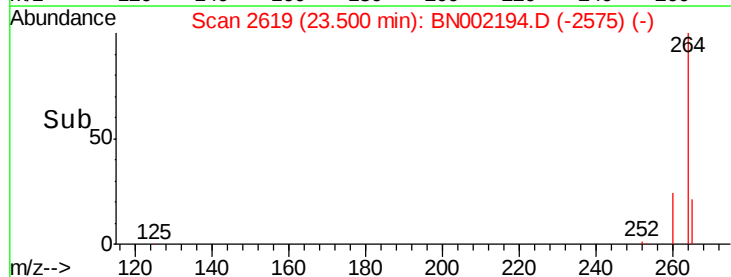
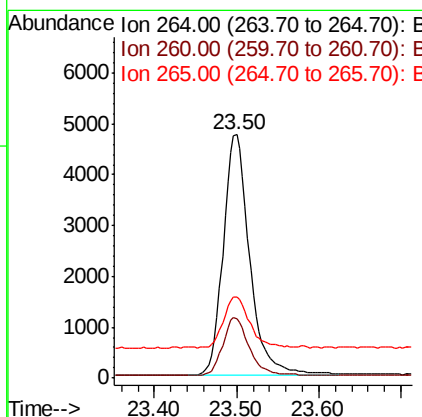
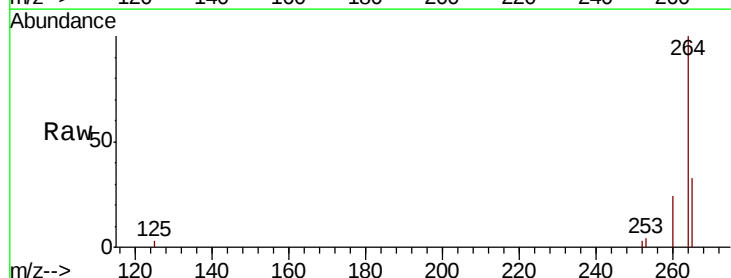
Instrument :
 BNA_N
 ClientSampleId :

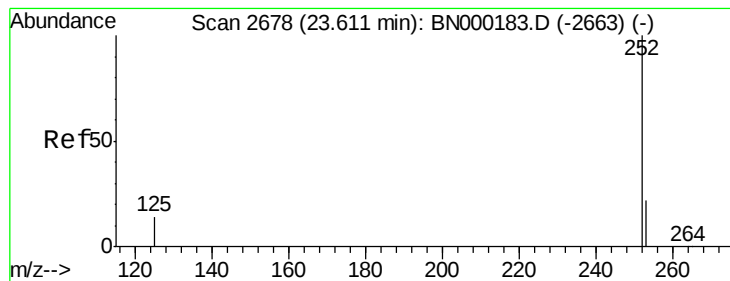
Tot Ion:276 Resp: 3135
 Ion Ratio Lower Upper
 276 100
 138 21.9 22.5 33.7#
 277 23.8 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.50 min Scan# 2619
 Delta R.T. -0.00 min
 Lab File: BN002194.D
 Acq: 30 Jul 2018 20:11

Tgt Ion:264 Resp: 10575
 Ion Ratio Lower Upper
 264 100
 260 24.3 20.5 30.7
 265 33.3 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.088 ng

RT: 22.84 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :

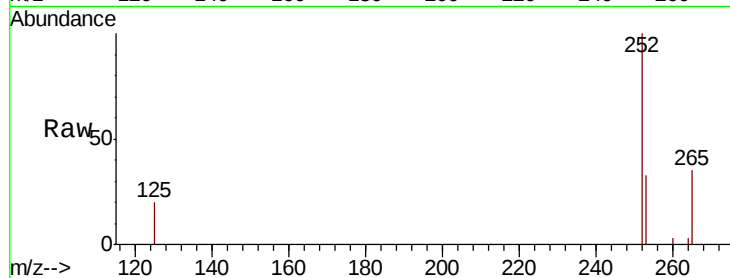
Tot Ion:252 Resp: 2745

Ion Ratio Lower Upper

252 100

253 32.5 20.0 30.0#

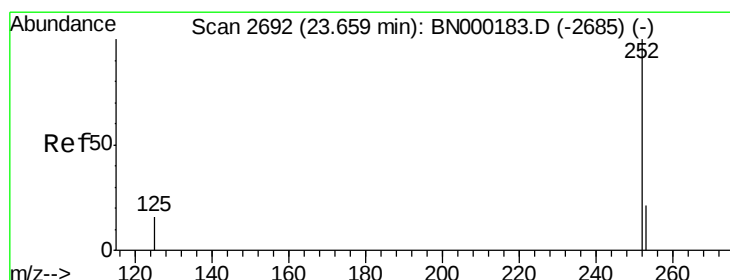
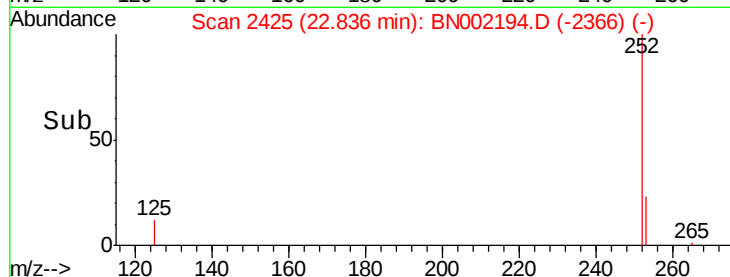
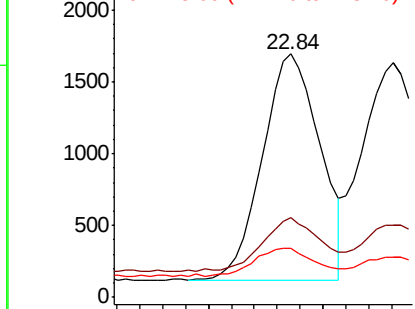
125 19.9 16.0 24.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.092 ng

RT: 22.88 min Scan# 2438

Delta R.T. 0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

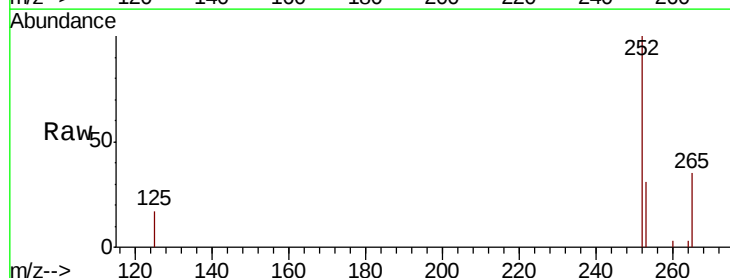
Tgt Ion:252 Resp: 2975

Ion Ratio Lower Upper

252 100

253 31.0 16.0 24.0#

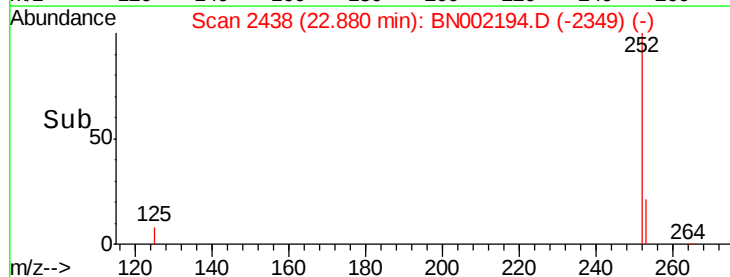
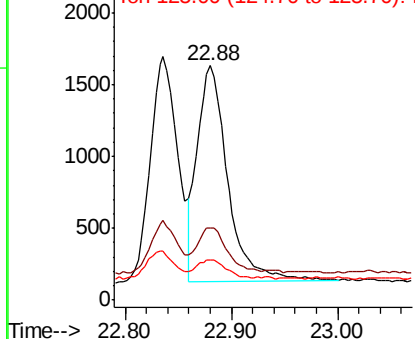
125 17.2 8.0 12.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.091 ng

RT: 23.41 min Scan# 2592

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :

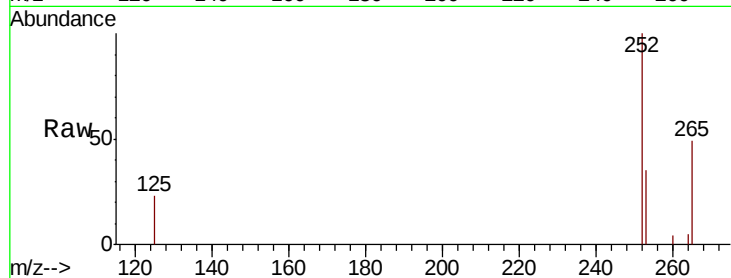
Tot Ion:252 Resp: 2562

Ion Ratio Lower Upper

252 100

253 35.5 16.0 24.0#

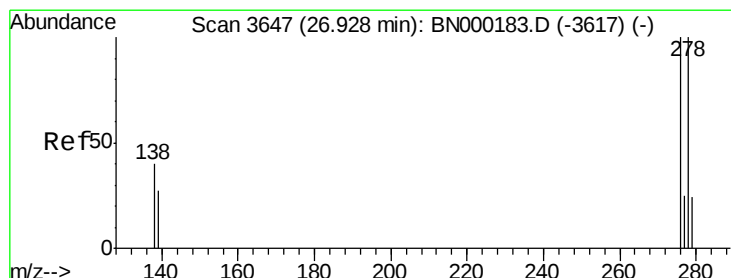
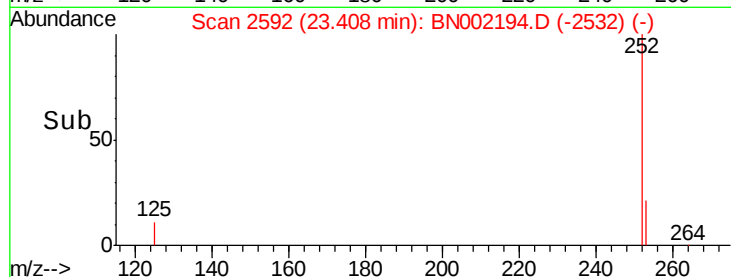
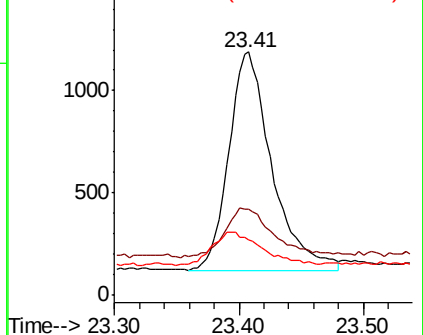
125 22.5 12.0 18.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.093 ng

RT: 25.75 min Scan# 3276

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

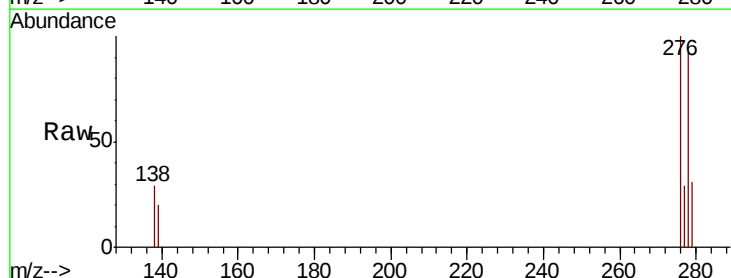
Tgt Ion:278 Resp: 2563

Ion Ratio Lower Upper

278 100

139 21.4 16.0 24.0

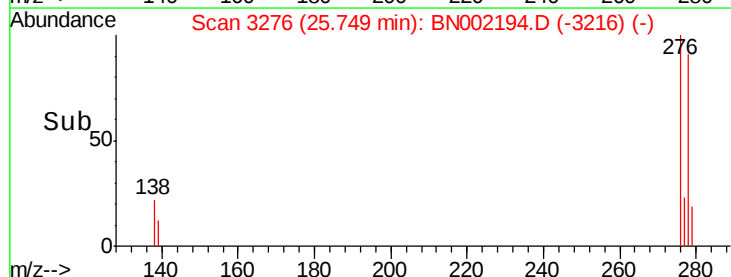
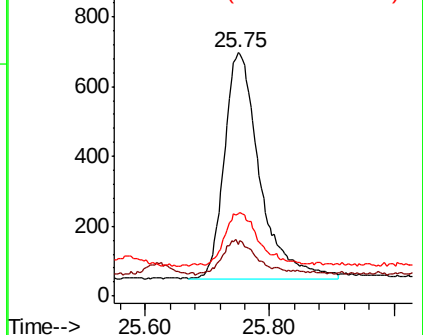
279 33.6 20.0 30.0#



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: 0.097 ng

RT: 26.41 min Scan# 3470

Delta R.T. 0.01 min

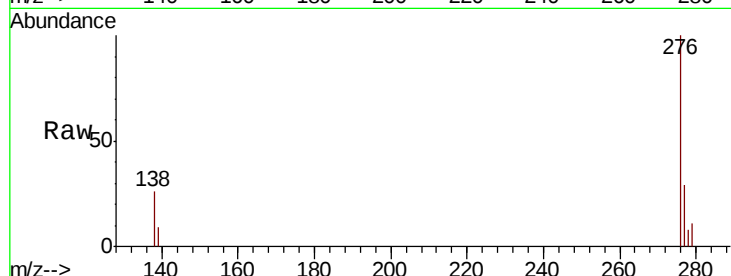
Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :



Tot Ion:	276	Resp:	2730
Ion	Ratio	Lower	Upper
276	100		
277	28.8	16.0	24.0#
138	25.8	20.0	30.0

