

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN103018\
 Data File : BN003361.D
 Acq On : 30 Oct 2018 16:50
 Operator : MJ/SJ
 Sample : J5692-12MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 30 18:15:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN102618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 16:15:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	17551	0.40	ng	0.00
7) Naphthalene-d8	10.66	136	74734	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	44182	0.40	ng	-0.01
19) Phenanthrene-d10	17.23	188	95950	0.40	ng	-0.01
27) Chrysene-d12	21.41	240	79509	0.40	ng	-0.01
34) Perylene-d12	23.73	264	68493	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.42	112	6037	0.14	ng	0.00
5) Phenol-d6	7.01	99	4613	0.08	ng	0.00
8) Nitrobenzene-d5	9.02	82	13417	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	36440	0.30	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	5322	0.30	ng	-0.01
15) 2-Fluorobiphenyl	13.11	172	61616	0.32	ng	-0.02
25) Fluoranthene-d10	19.26	212	73500	0.26	ng	0.00
29) Terphenyl-d14	19.85	244	75553	0.41	ng	-0.01

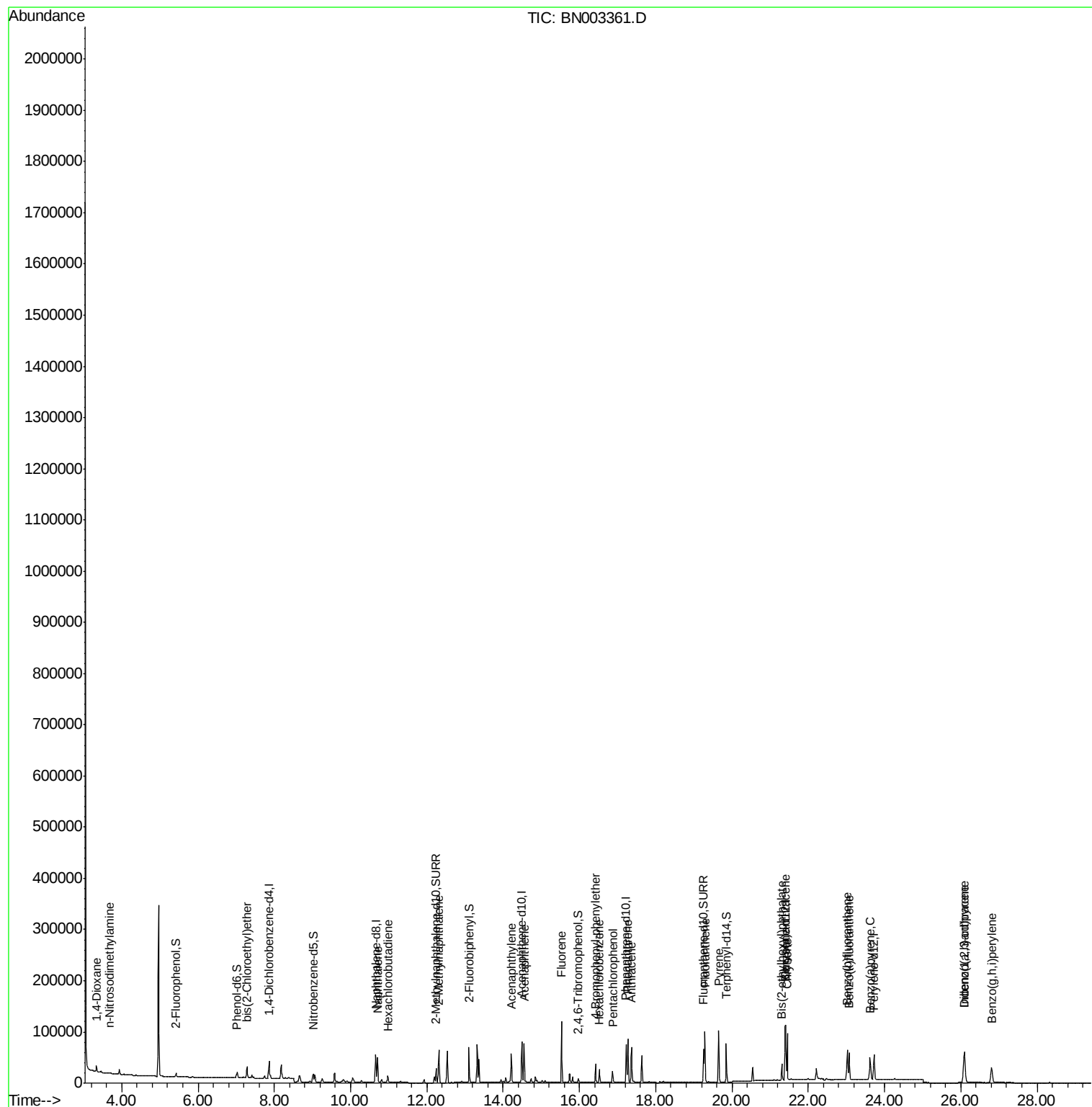
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	7746	0.341	ng	# 88
3) n-Nitrosodimethylamine	3.67	42	1437	0.137	ng	# 77
6) bis(2-Chloroethyl)ether	7.28	93	16431	0.336	ng	97
9) Naphthalene	10.71	128	63366	0.347	ng	100
10) Hexachlorobutadiene	10.97	225	9726	0.291	ng	# 100
12) 2-Methylnaphthalene	12.31	142	45003	0.352	ng	98
16) Acenaphthylene	14.21	152	60078	0.305	ng	100
17) Acenaphthene	14.56	154	43282	0.317	ng	99
18) Fluorene	15.54	166	53176	0.311	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	17786	0.320	ng	# 77
21) Hexachlorobenzene	16.53	284	18320	0.313	ng	98
22) Pentachlorophenol	16.88	266	11293	0.711	ng	96
23) Phenanthrene	17.27	178	85862	0.326	ng	100
24) Anthracene	17.37	178	72884	0.323	ng	100
26) Fluoranthene	19.29	202	87950	0.291	ng	100
28) Pyrene	19.65	202	87702	0.399	ng	99
30) Benzo(a)anthracene	21.40	228	70873	0.340	ng	100
31) Chrysene	21.45	228	73694	0.328	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	26562	0.431	ng	99
33) Indeno(1,2,3-cd)pyrene	26.09	276	74269	0.319	ng	99
35) Benzo(b)fluoranthene	23.02	252	75686	0.354	ng	# 96
36) Benzo(k)fluoranthene	23.07	252	68177	0.322	ng	99
37) Benzo(a)pyrene	23.62	252	66379	0.341	ng	# 93
38) Dibenzo(a,h)anthracene	26.10	278	62215	0.343	ng	100
39) Benzo(g,h,i)perylene	26.81	276	63606	0.351	ng	99

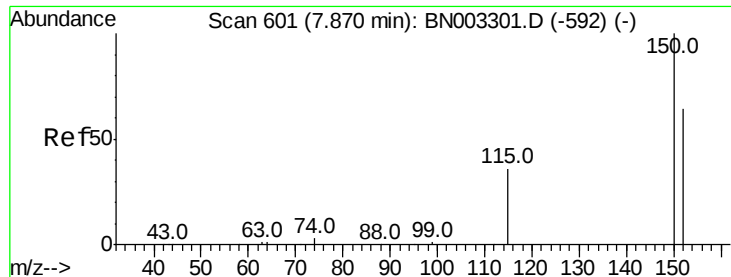
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 600

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Instrument :

BNA_N

ClientSampled :

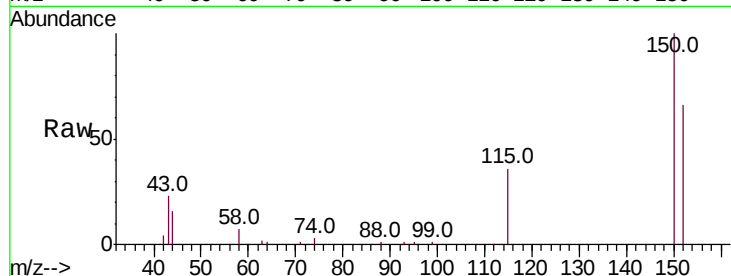
Tot Ion:152 Resp: 17551

Ion Ratio Lower Upper

152 100

150 151.9 124.6 187.0

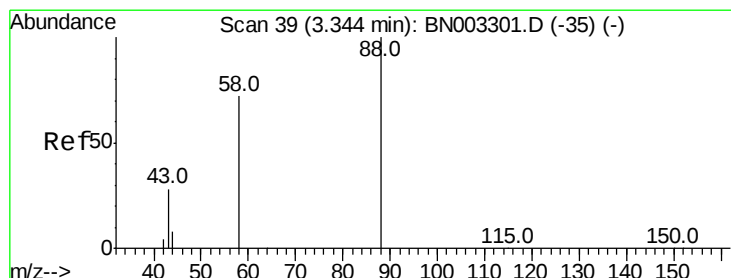
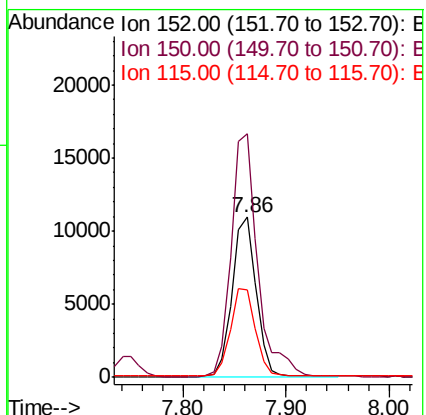
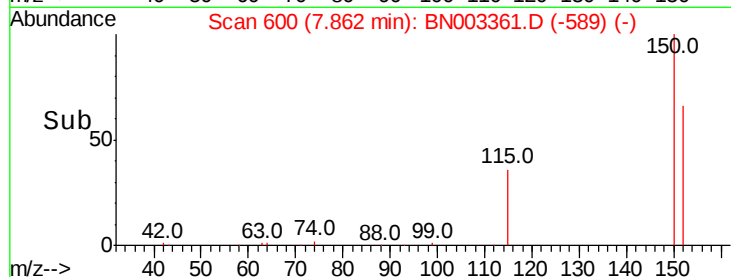
115 54.9 46.4 69.6



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: 0.341 ng

RT: 3.34 min Scan# 39

Delta R.T. 0.00 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

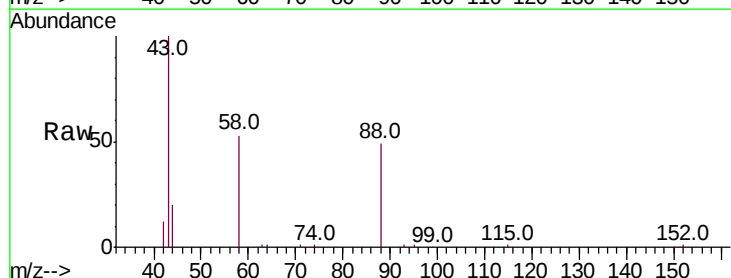
Tgt Ion: 88 Resp: 7746

Ion Ratio Lower Upper

88 100

58 76.7 60.9 91.3

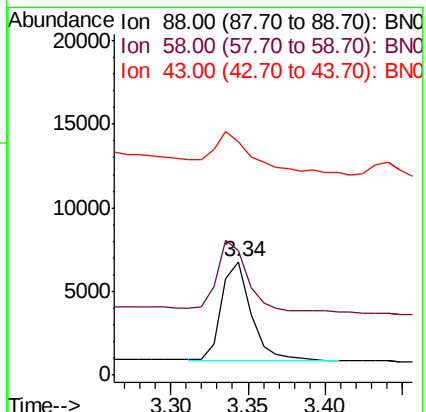
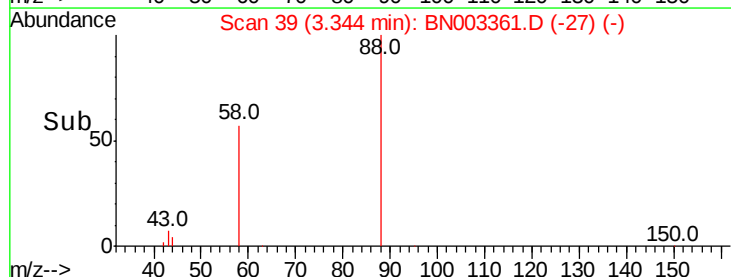
43 51.3 23.9 35.9#



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: 0.137 ng

RT: 3.67 min Scan# 80

Delta R.T. -0.02 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Instrument :

BNA_N

ClientSampleId :

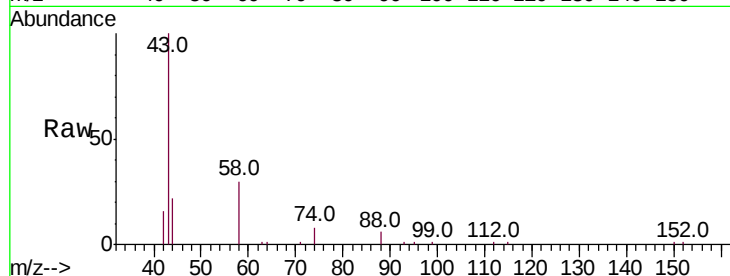
Tot Ion: 42 Resp: 1437

Ion Ratio Lower Upper

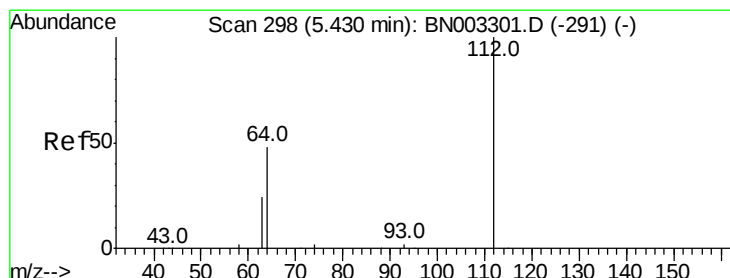
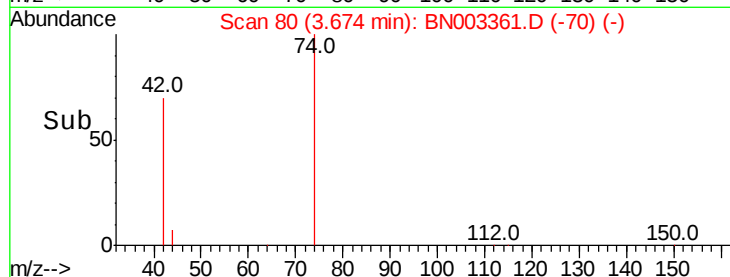
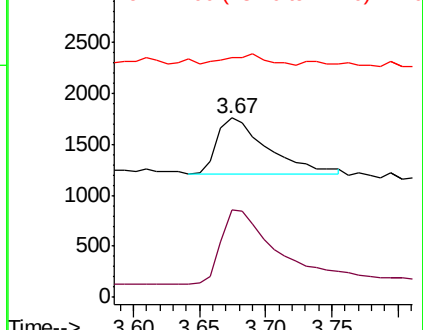
42 100

74 149.5 99.1 148.7#

44 14.5 4.2 6.4#



Abundance Ion 42.00 (41.70 to 42.70): BNC
Ion 74.00 (73.70 to 74.70): BNC
Ion 44.00 (43.70 to 44.70): BNC



#4

2-Fluorophenol

Concen: 0.139 ng

RT: 5.42 min Scan# 297

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

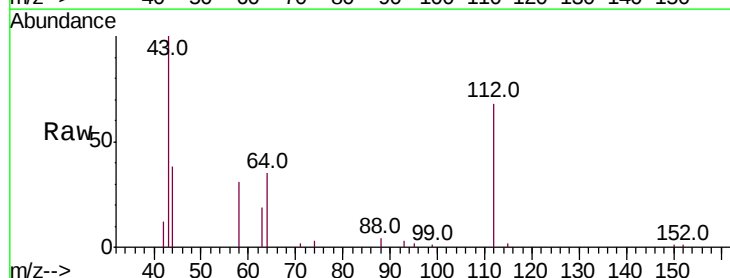
Tgt Ion: 112 Resp: 6037

Ion Ratio Lower Upper

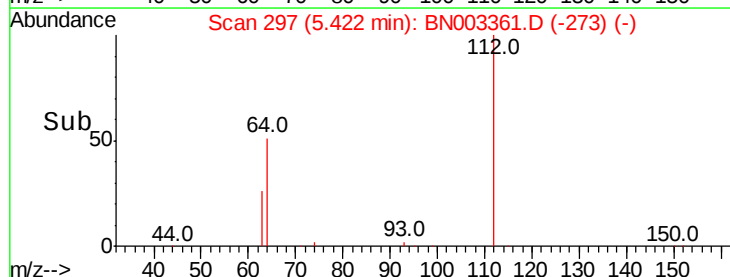
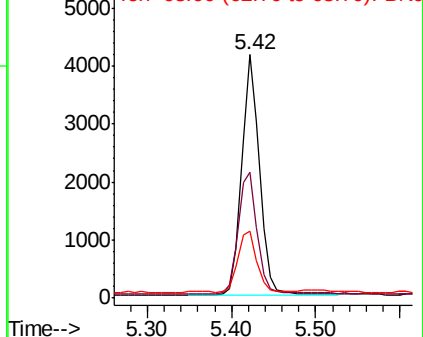
112 100

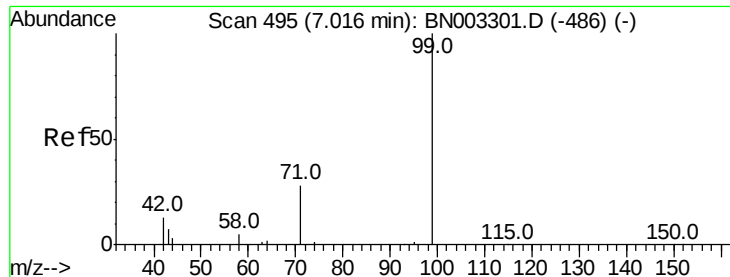
64 52.9 44.3 66.5

63 27.3 22.4 33.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.084 ng

RT: 7.01 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Instrument :

BNA_N

ClientSampleId :

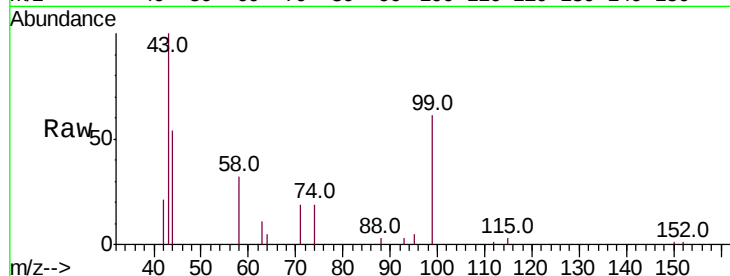
Tot Ion: 99 Resp: 4613

Ion Ratio Lower Upper

99 100

42 32.3 14.8 22.2#

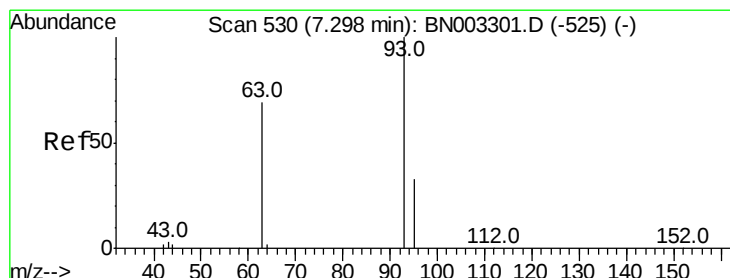
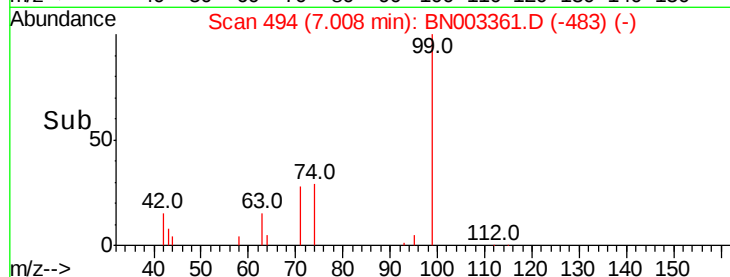
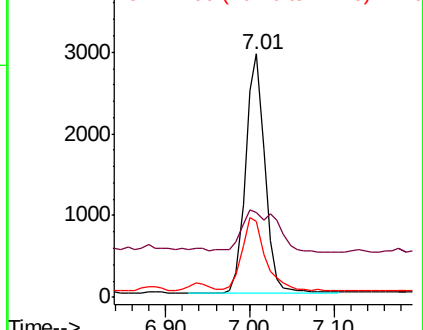
71 38.0 24.8 37.2#



Abundance Ion 99.00 (98.70 to 99.70): BN003361.D (-486) (-)

Ion 42.00 (41.70 to 42.70): BN003361.D (-486) (-)

Ion 71.00 (70.70 to 71.70): BN003361.D (-486) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.336 ng

RT: 7.28 min Scan# 528

Delta R.T. -0.02 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

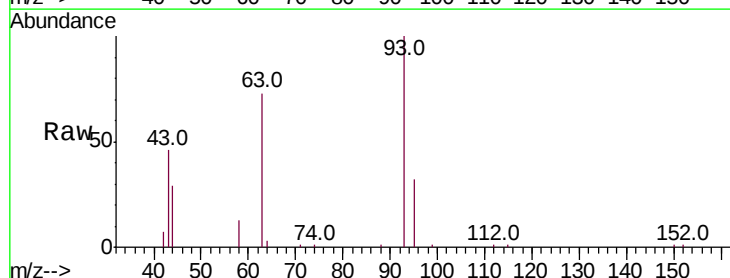
Tgt Ion: 93 Resp: 16431

Ion Ratio Lower Upper

93 100

63 72.5 55.8 83.6

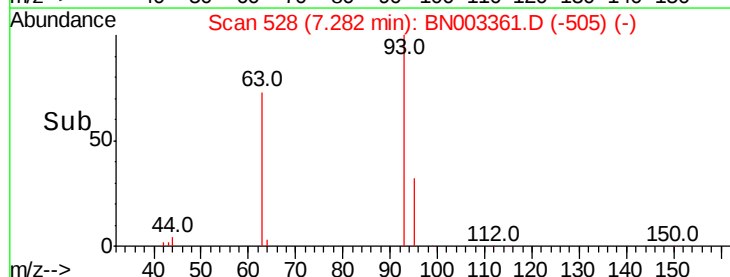
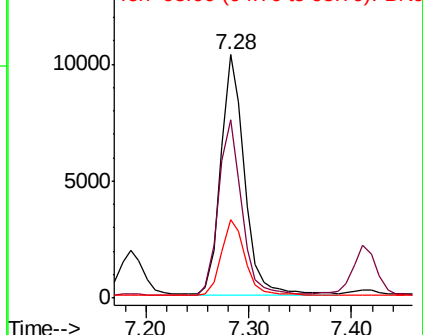
95 32.2 25.4 38.2

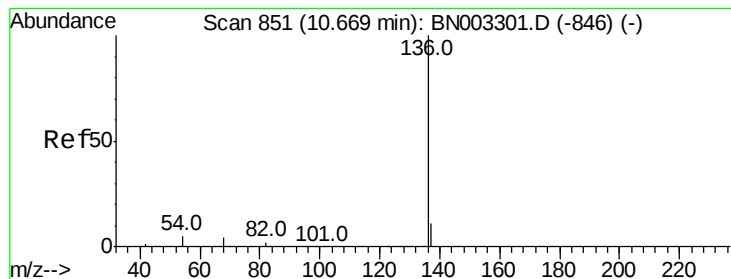


Abundance Ion 93.00 (92.70 to 93.70): BN003361.D (-525) (-)

Ion 63.00 (62.70 to 63.70): BN003361.D (-525) (-)

Ion 95.00 (94.70 to 95.70): BN003361.D (-525) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.66 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 74734

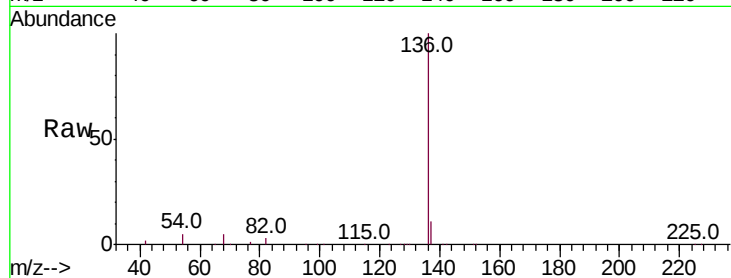
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 5.2 4.1 6.1

68 4.6 3.5 5.3

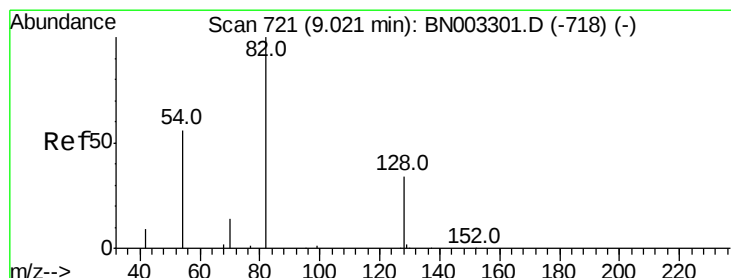
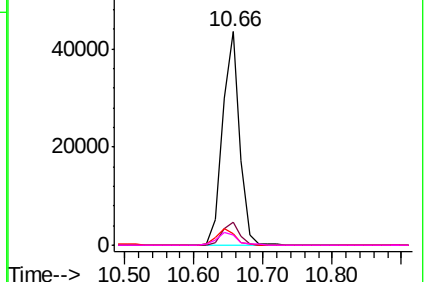
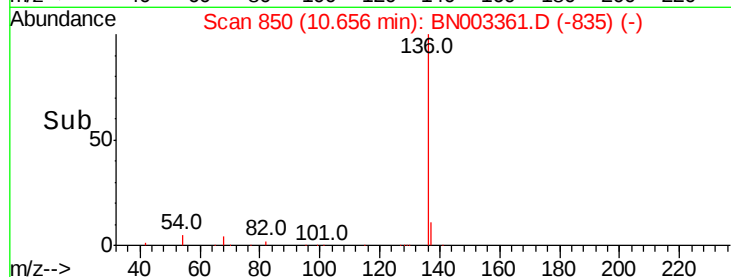


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.410 ng

RT: 9.02 min Scan# 721

Delta R.T. 0.00 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

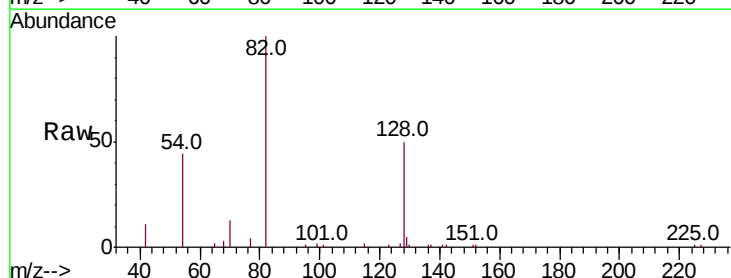
Tgt Ion: 82 Resp: 13417

Ion Ratio Lower Upper

82 100

128 50.2 28.9 43.3#

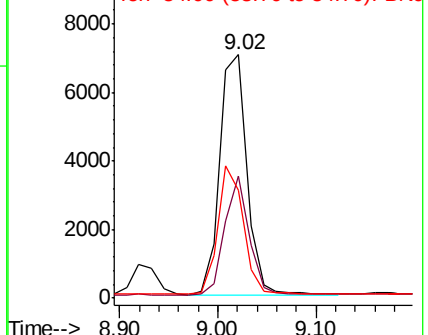
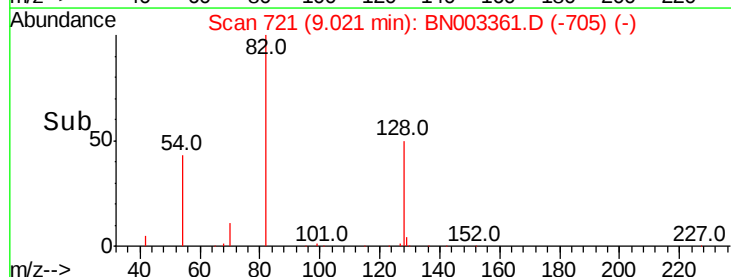
54 44.3 46.1 69.1#

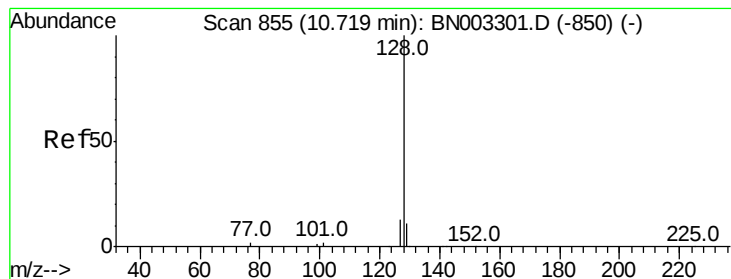


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.347 ng

RT: 10.71 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Instrument :

BNA_N

ClientSampleId :

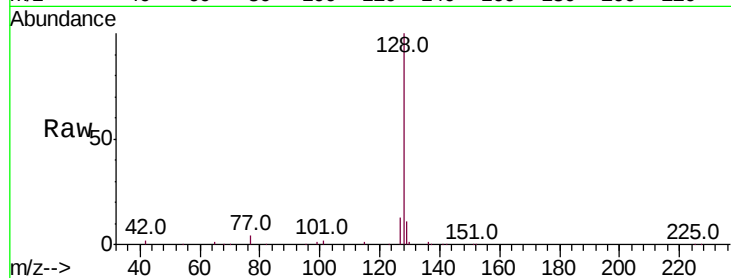
Tot Ion:128 Resp: 63366

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

127 12.7 10.2 15.4

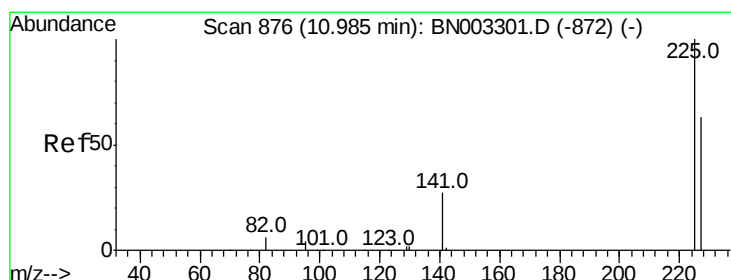
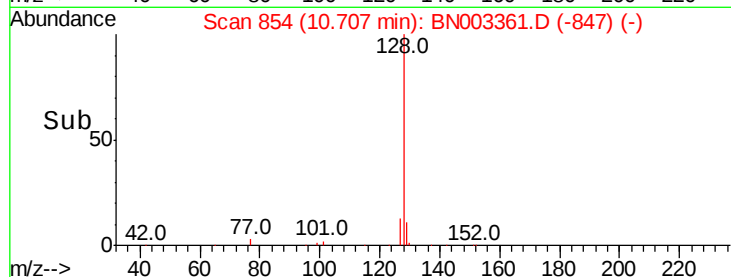
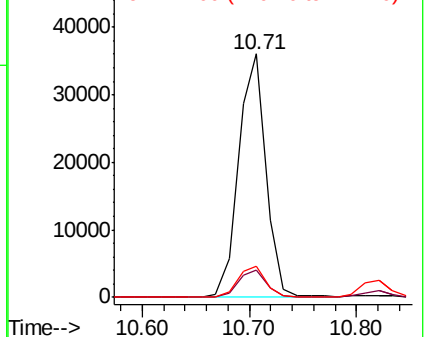


Abundance

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: 0.291 ng

RT: 10.97 min Scan# 875

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

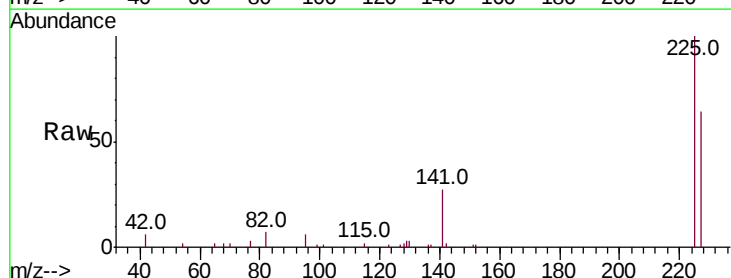
Tgt Ion:225 Resp: 9726

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 64.2 51.3 76.9

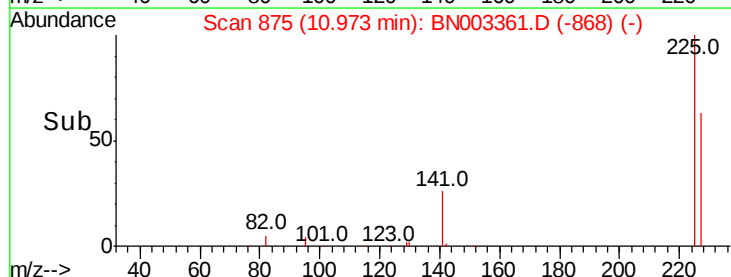
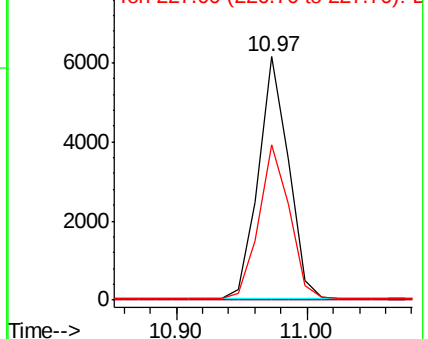


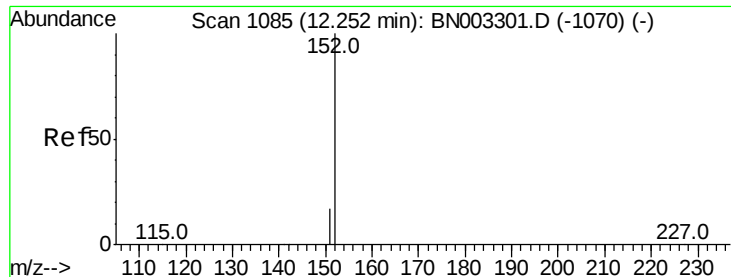
Abundance

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

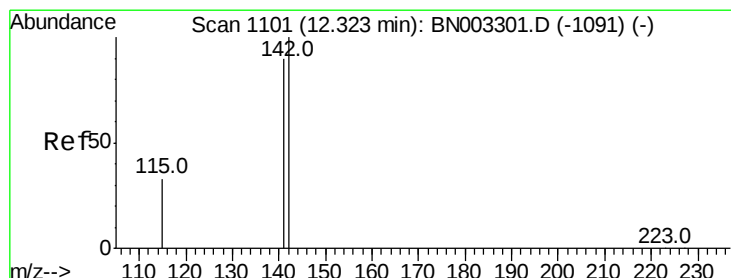
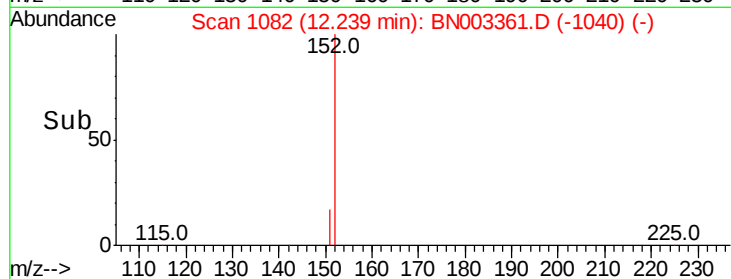
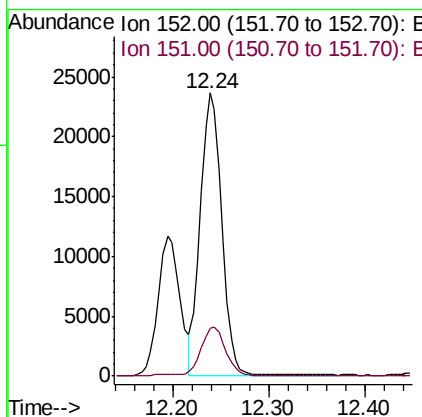
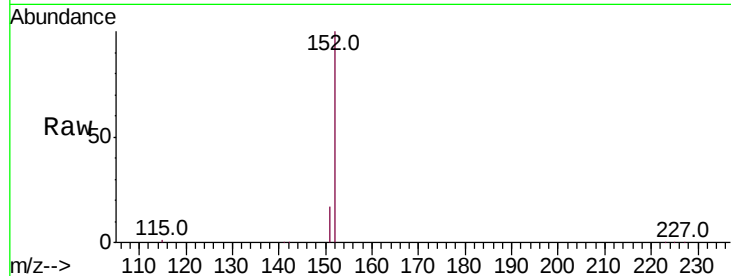




#11
 2-Methylnaphthalene-d10
 Concen: 0.300 ng
 RT: 12.24 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: BN003361.D
 Acq: 30 Oct 2018 16:50

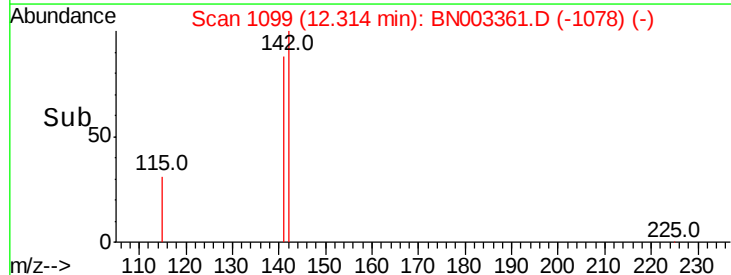
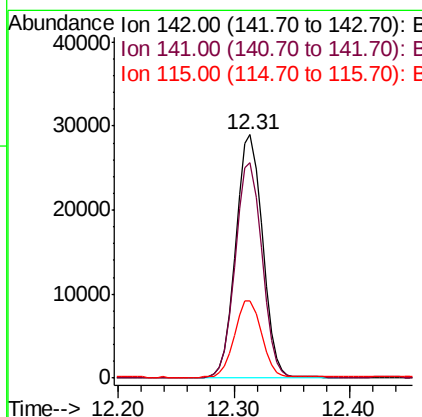
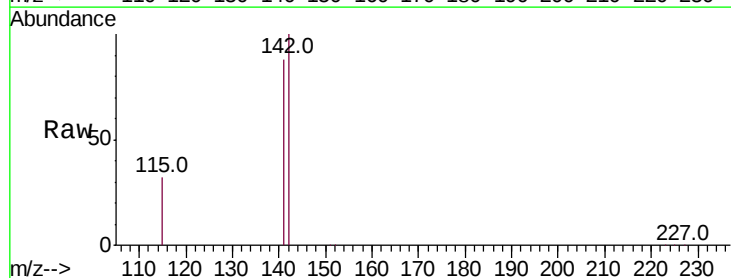
Instrument :
 BNA_N
 ClientSampleId :

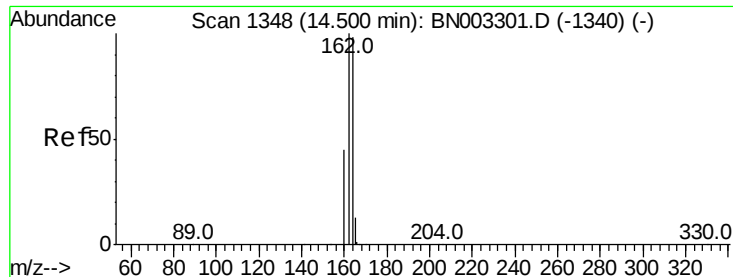
Tot Ion:152 Resp: 36440
 Ion Ratio Lower Upper
 152 100
 151 19.0 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 0.352 ng
 RT: 12.31 min Scan# 1099
 Delta R.T. -0.01 min
 Lab File: BN003361.D
 Acq: 30 Oct 2018 16:50

Tgt Ion:142 Resp: 45003
 Ion Ratio Lower Upper
 142 100
 141 88.5 71.9 107.9
 115 31.8 27.0 40.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Instrument :

BNA_N

ClientSampleId :

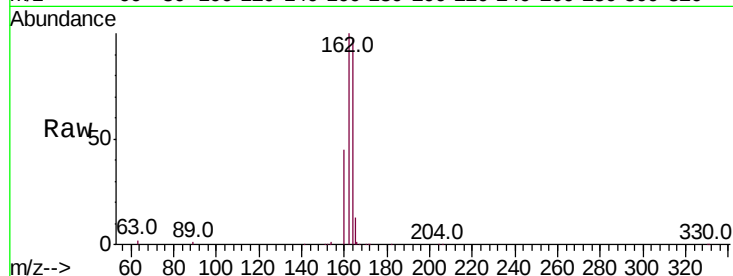
Tot Ion:164 Resp: 44182

Ion Ratio Lower Upper

164 100

162 102.9 81.8 122.6

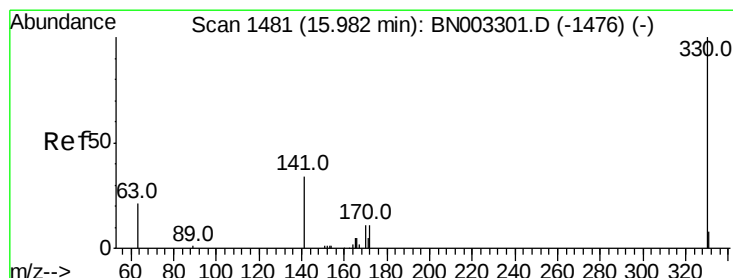
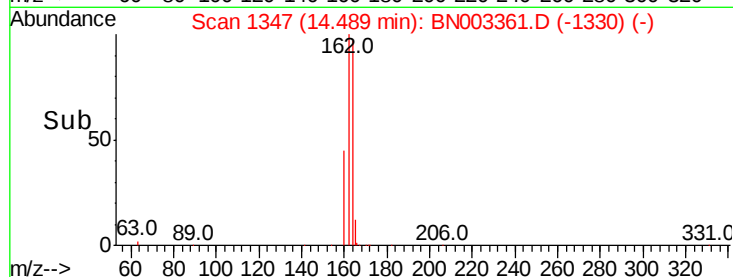
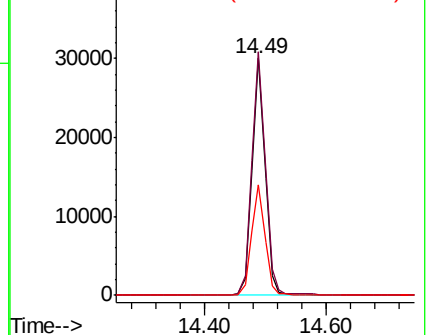
160 46.6 37.2 55.8



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: 0.303 ng

RT: 15.97 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

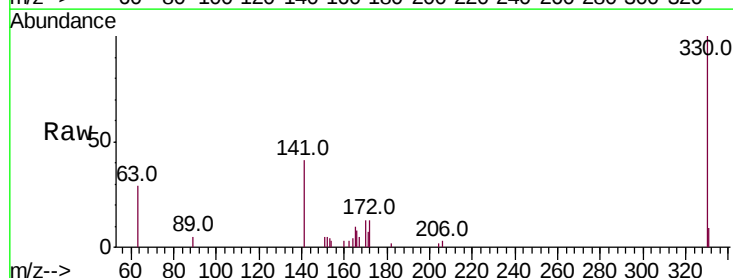
Tgt Ion:330 Resp: 5322

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

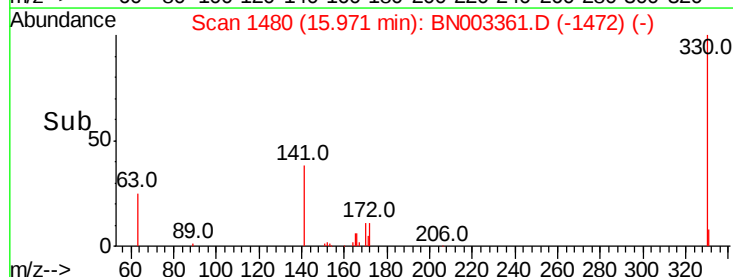
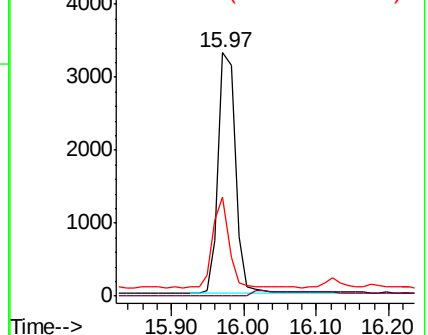
141 35.9 28.3 42.5

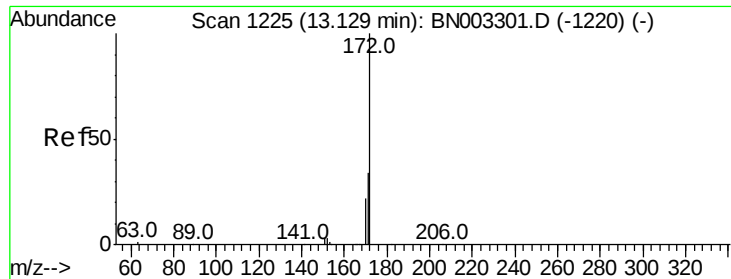


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

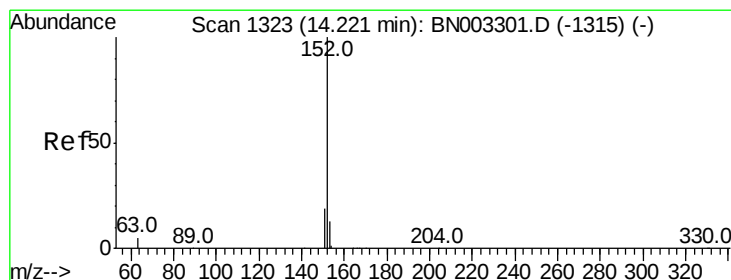
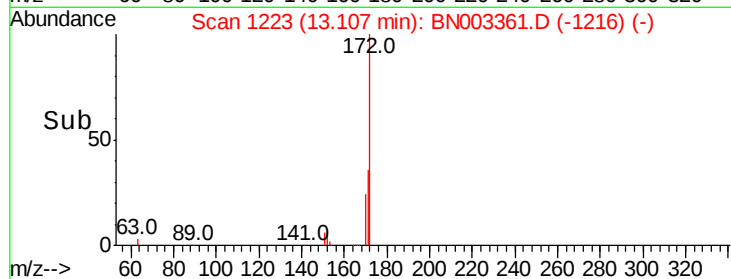
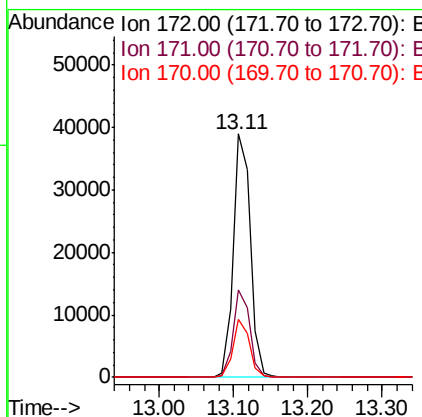
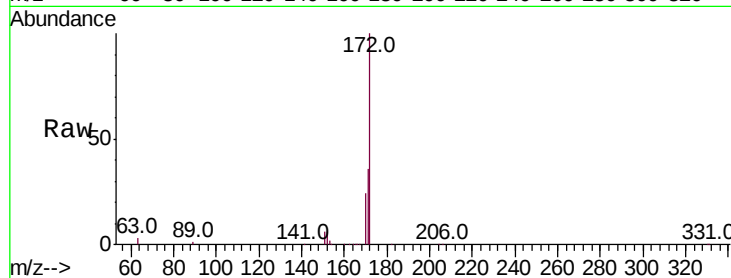




#15
 2-Fluorobiphenyl
 Concen: 0.324 ng
 RT: 13.11 min Scan# 1223
 Delta R.T. -0.02 min
 Lab File: BN003361.D
 Acq: 30 Oct 2018 16:50

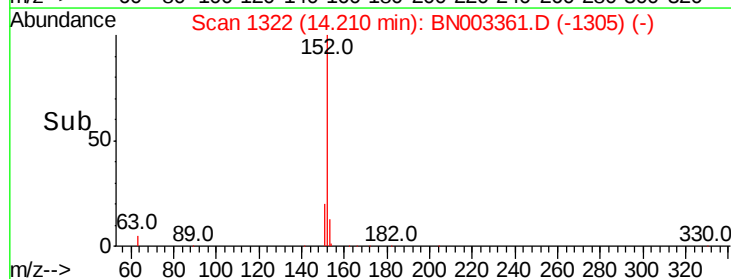
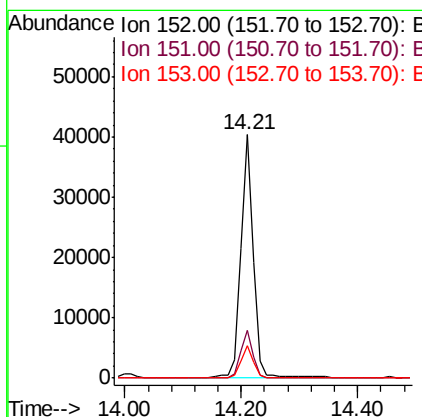
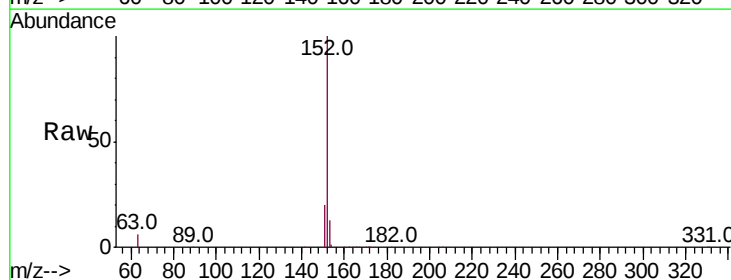
Instrument :
 BNA_N
 ClientSampled :

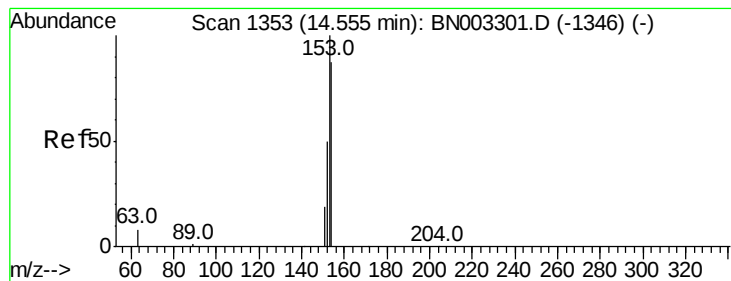
Tot Ion:172 Resp: 61616
 Ion Ratio Lower Upper
 172 100
 171 35.9 27.1 40.7
 170 24.1 17.4 26.0



#16
 Acenaphthylene
 Concen: 0.305 ng
 RT: 14.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BN003361.D
 Acq: 30 Oct 2018 16:50

Tgt Ion:152 Resp: 60078
 Ion Ratio Lower Upper
 152 100
 151 19.3 15.7 23.5
 153 13.0 10.6 15.8





#17

Acenaphthene

Concen: 0.317 ng

RT: 14.56 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Instrument :

BNA_N

ClientSampleId :

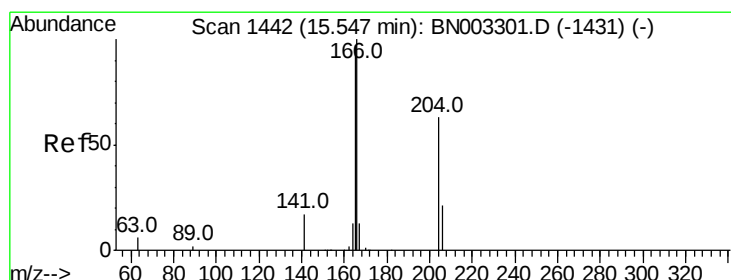
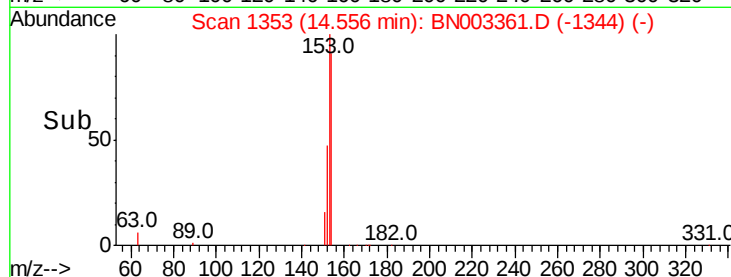
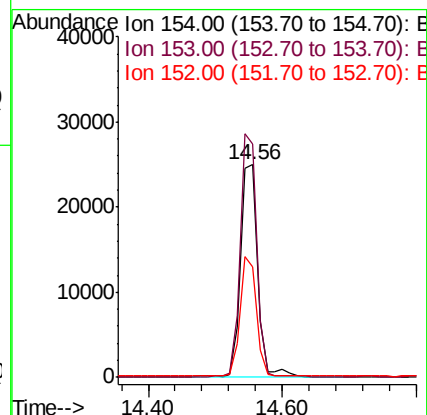
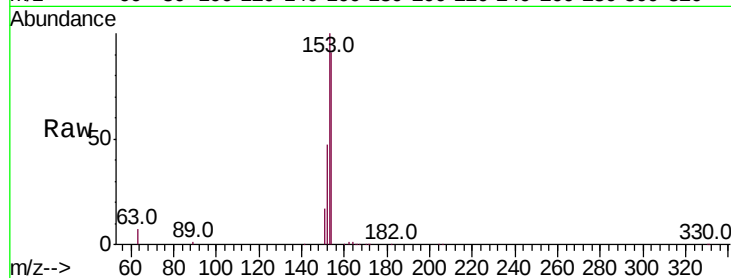
Tot Ion:154 Resp: 43282

Ion Ratio Lower Upper

154 100

153 109.5 88.9 133.3

152 53.4 43.5 65.3



#18

Fluorene

Concen: 0.311 ng

RT: 15.54 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

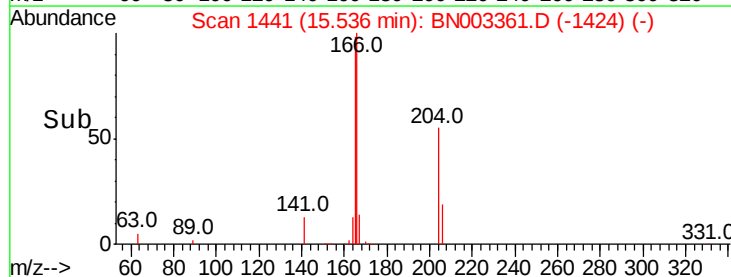
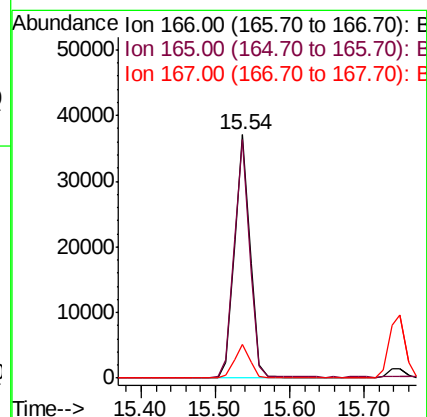
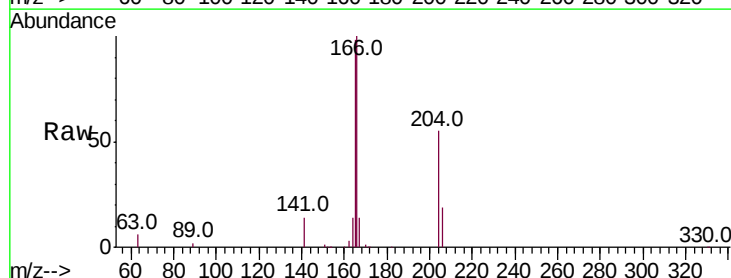
Tgt Ion:166 Resp: 53176

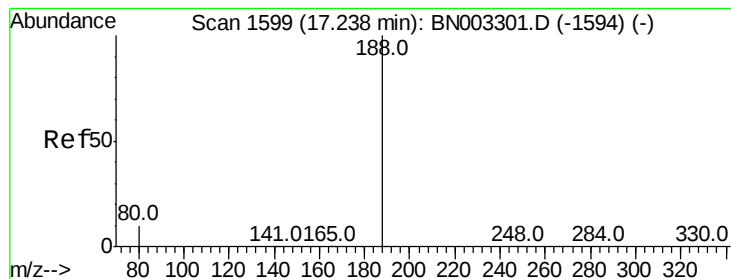
Ion Ratio Lower Upper

166 100

165 98.1 77.8 116.8

167 13.7 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Instrument :

BNA_N

ClientSampleId :

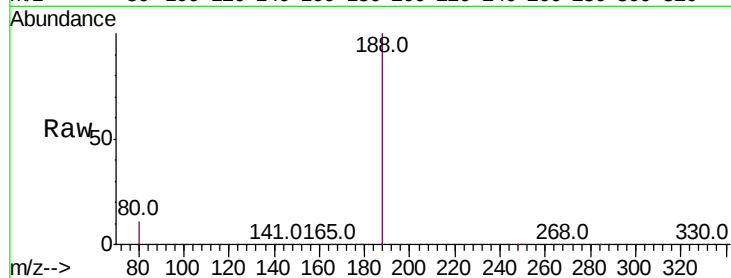
Tot Ion:188 Resp: 95950

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

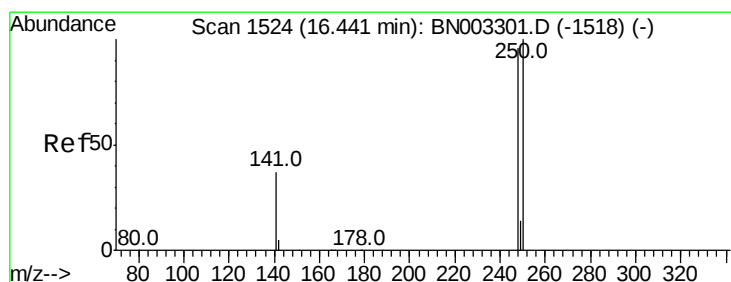
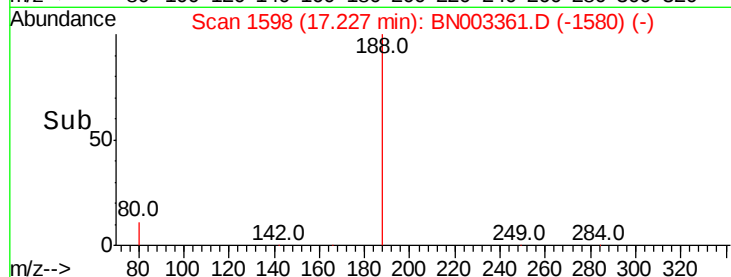
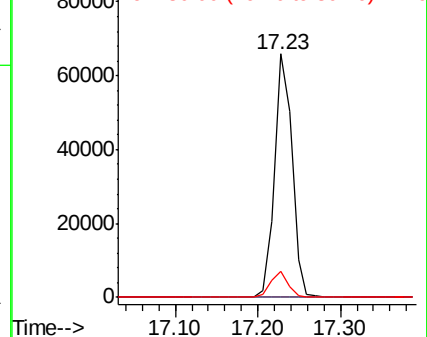
80 10.8 8.6 12.8



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: 0.320 ng

RT: 16.42 min Scan# 1522

Delta R.T. -0.02 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

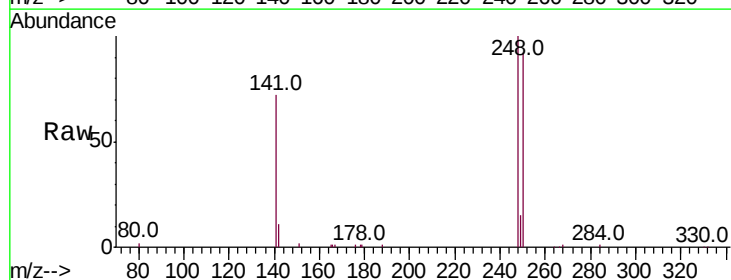
Tgt Ion:248 Resp: 17786

Ion Ratio Lower Upper

248 100

250 92.4 83.7 125.5

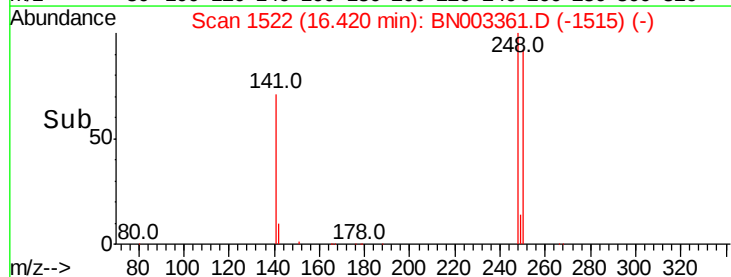
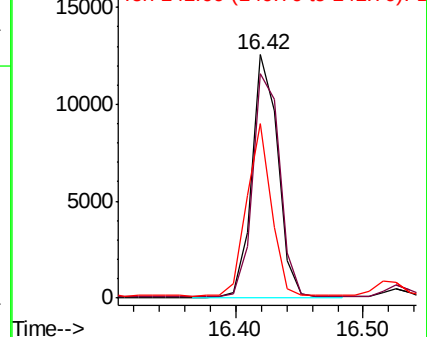
141 71.8 31.4 47.0#

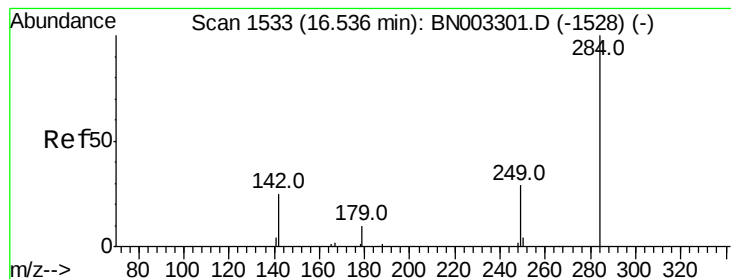


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.313 ng

RT: 16.53 min Scan# 1532

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Instrument :

BNA_N

ClientSampleId :

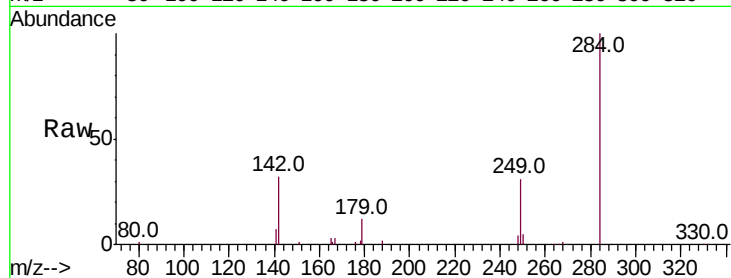
Tot Ion:284 Resp: 18320

Ion Ratio Lower Upper

284 100

142 35.2 29.7 44.5

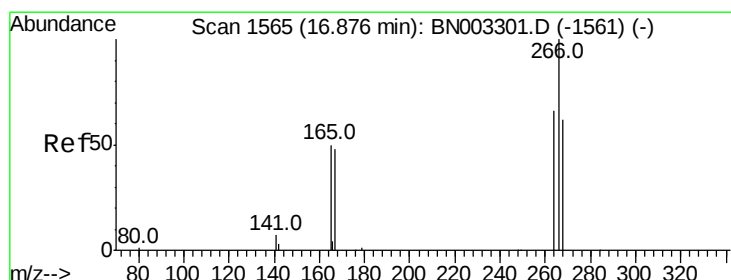
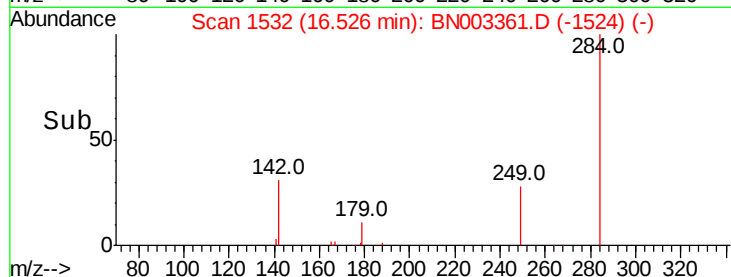
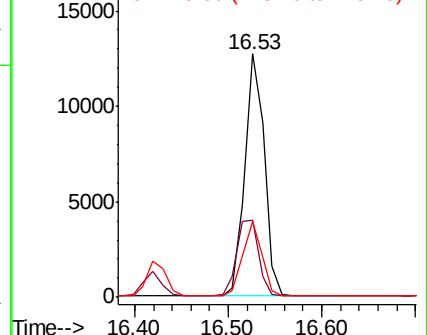
249 29.9 24.0 36.0



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: 0.711 ng

RT: 16.88 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

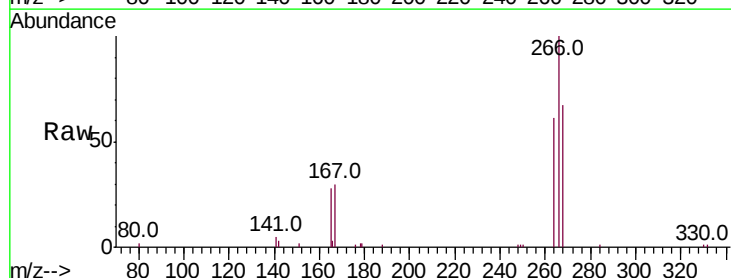
Tgt Ion:266 Resp: 11293

Ion Ratio Lower Upper

266 100

264 61.4 52.1 78.1

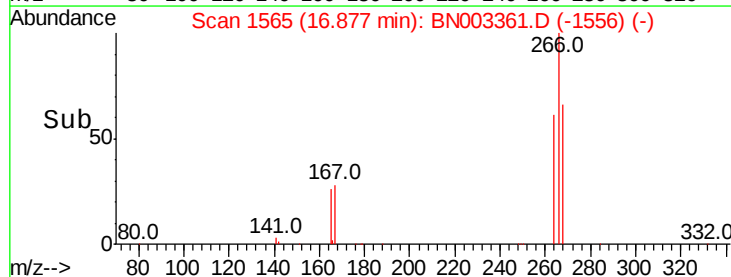
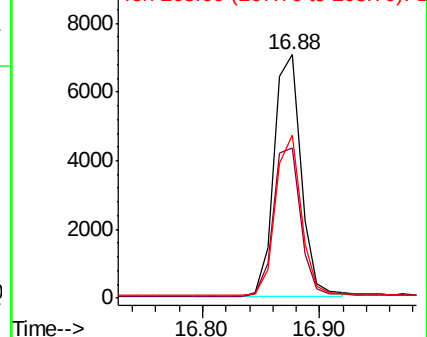
268 66.8 51.8 77.6

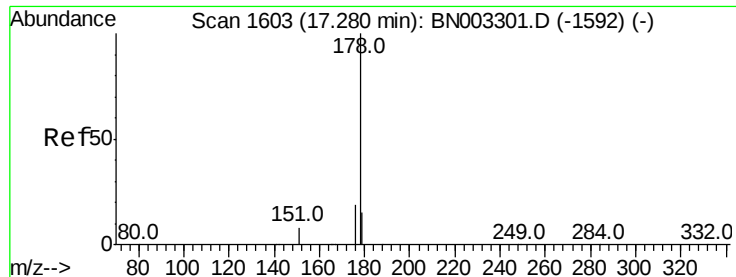


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.326 ng

RT: 17.27 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Instrument :

BNA_N

ClientSampleId :

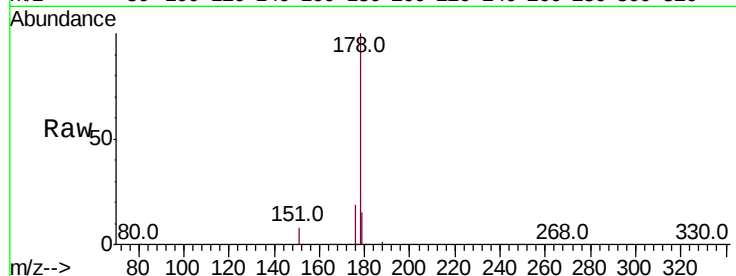
Tot Ion:178 Resp: 85862

Ion Ratio Lower Upper

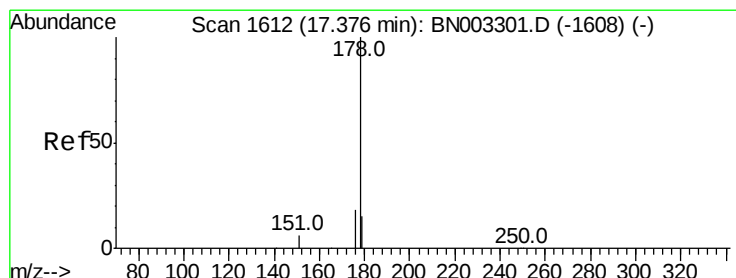
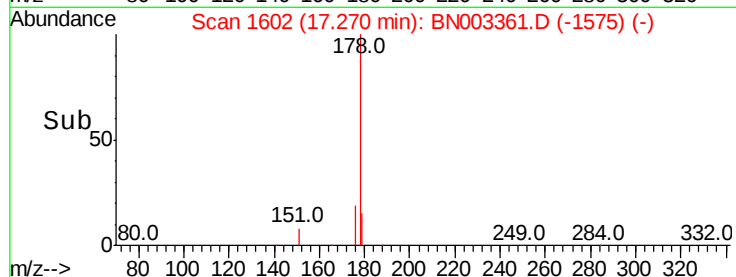
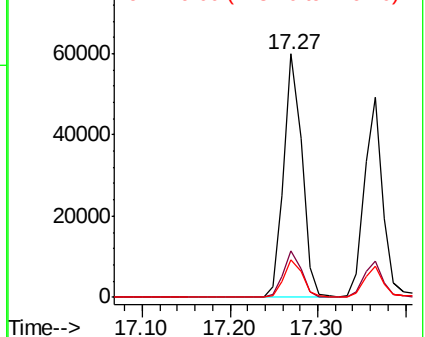
178 100

176 18.8 15.1 22.7

179 15.3 12.4 18.6



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: 0.323 ng

RT: 17.37 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

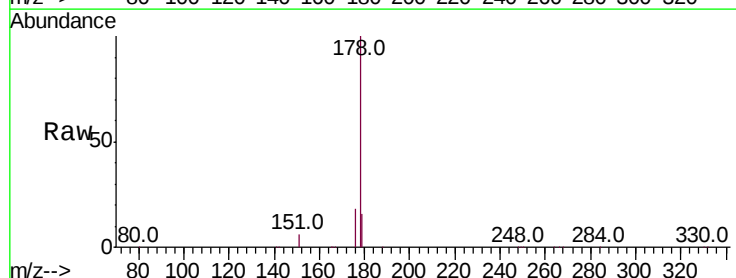
Tgt Ion:178 Resp: 72884

Ion Ratio Lower Upper

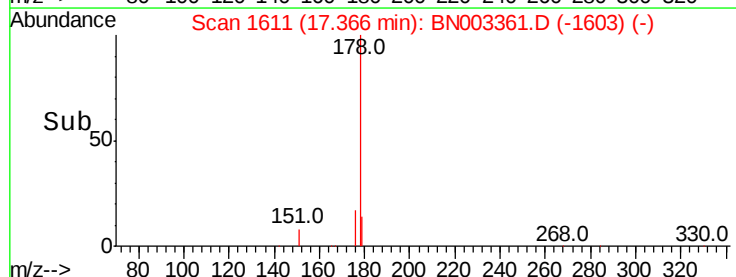
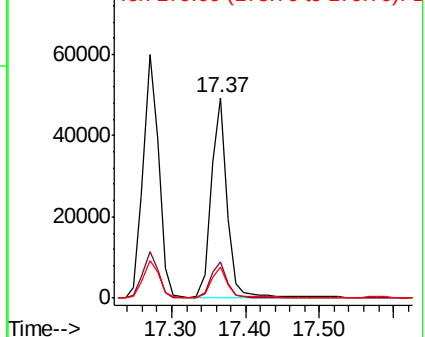
178 100

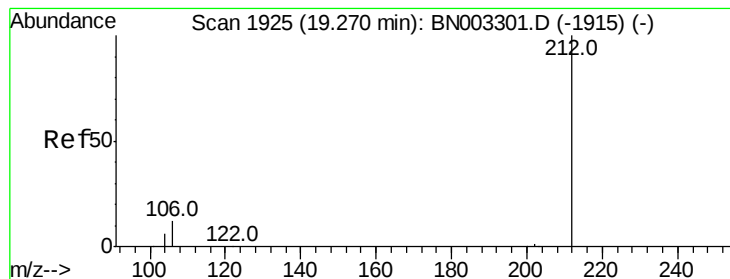
176 18.2 14.5 21.7

179 15.1 12.2 18.4



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: 0.263 ng

RT: 19.26 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Instrument :

BNA_N

ClientSampleId :

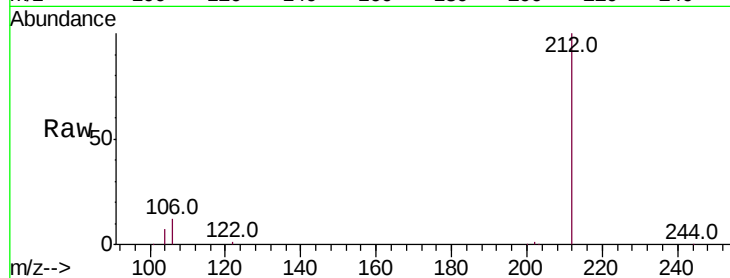
Tot Ion:212 Resp: 73500

Ion Ratio Lower Upper

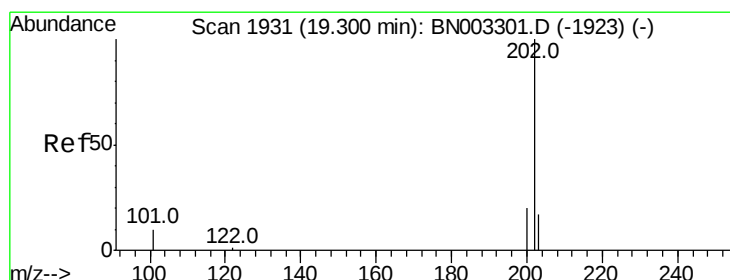
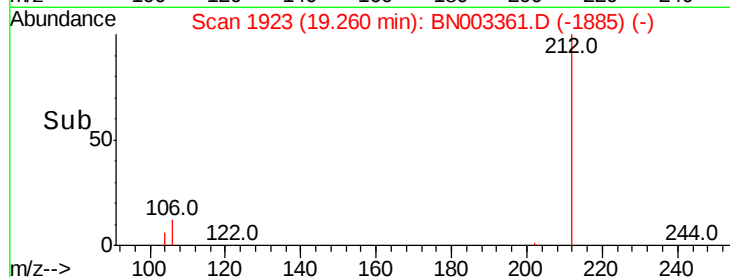
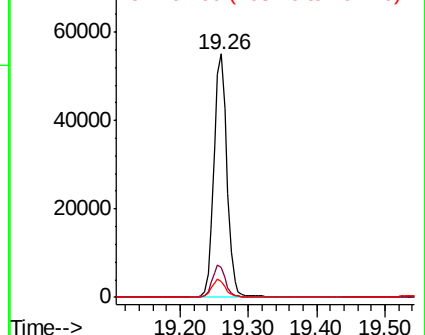
212 100

106 13.1 10.3 15.5

104 7.1 5.6 8.4



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: 0.291 ng

RT: 19.29 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

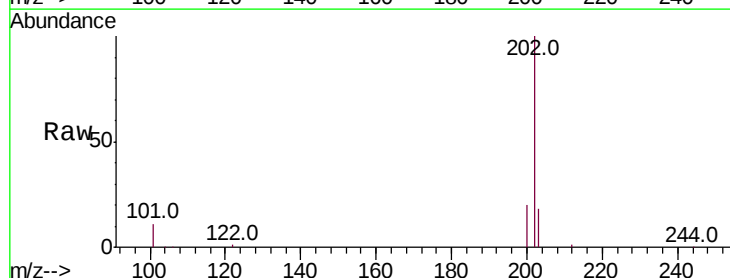
Tgt Ion:202 Resp: 87950

Ion Ratio Lower Upper

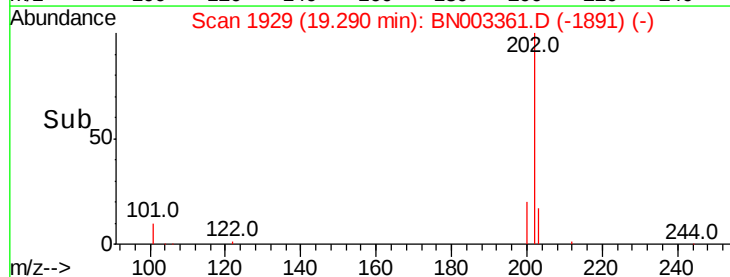
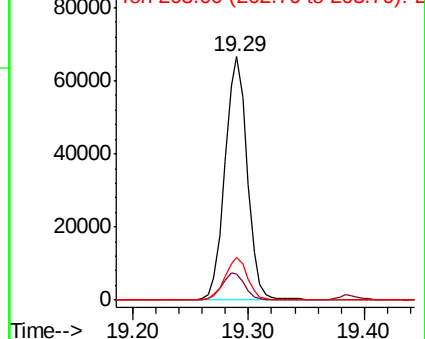
202 100

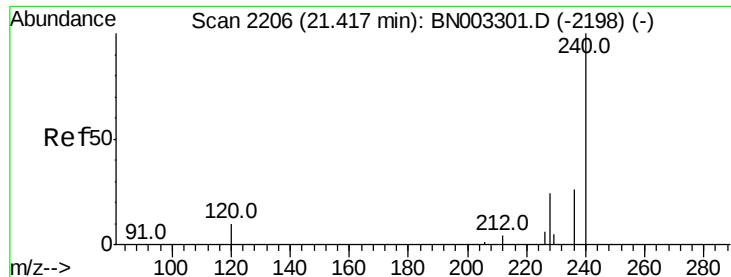
101 11.4 9.0 13.4

203 17.2 13.8 20.6



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: 21.41 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

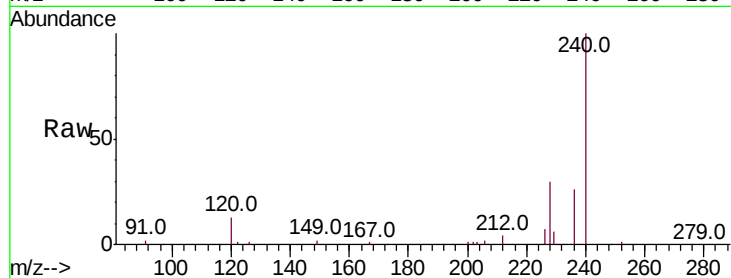
Instrument :

BNA_N

ClientSampleId :

Tot Ion:240 Resp: 79509

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.3	13.9
236	26.4	21.0	31.4

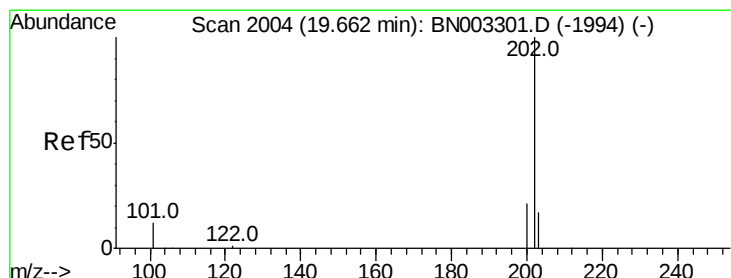
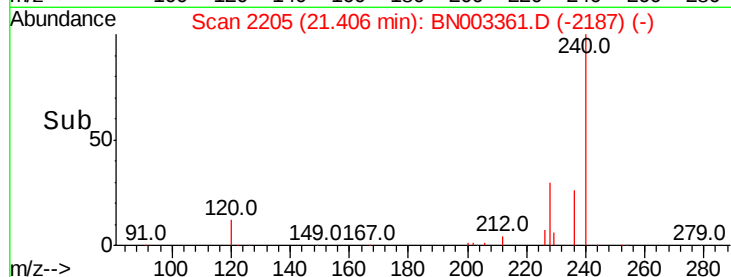
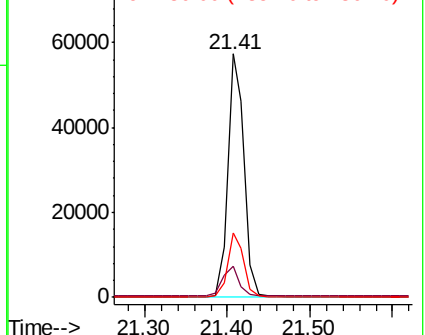


Abundance

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: 0.399 ng

RT: 19.65 min Scan# 2002

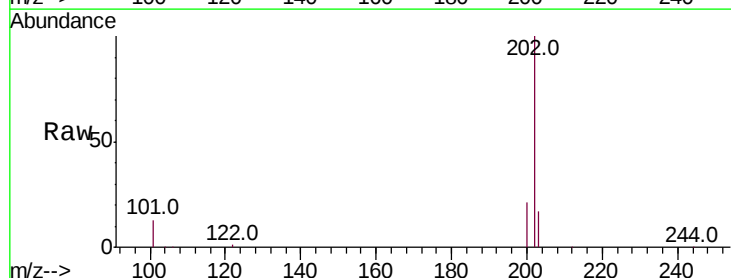
Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Tgt Ion:202 Resp: 87702

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	18.0	13.9	20.9

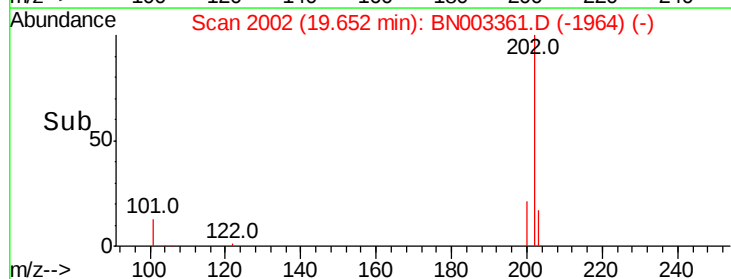
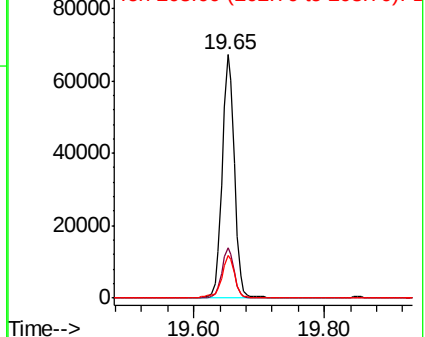


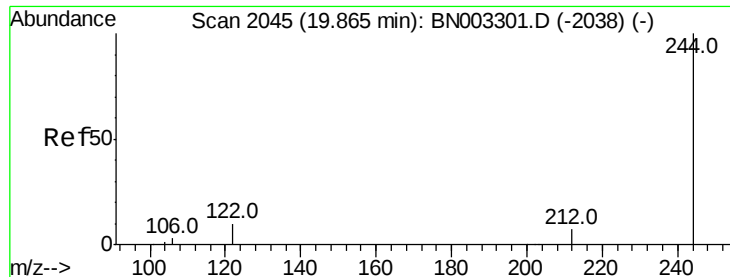
Abundance

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: 0.409 ng

RT: 19.85 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Instrument :

BNA_N

ClientSampleId :

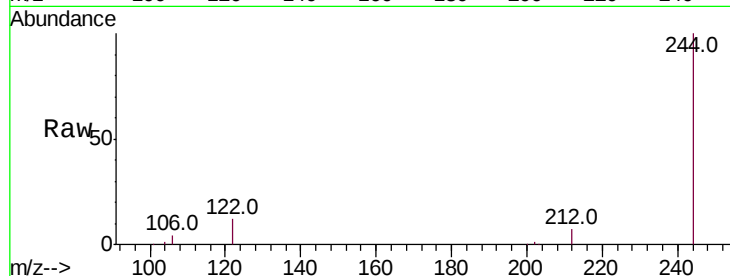
Tot Ion:244 Resp: 75553

Ion Ratio Lower Upper

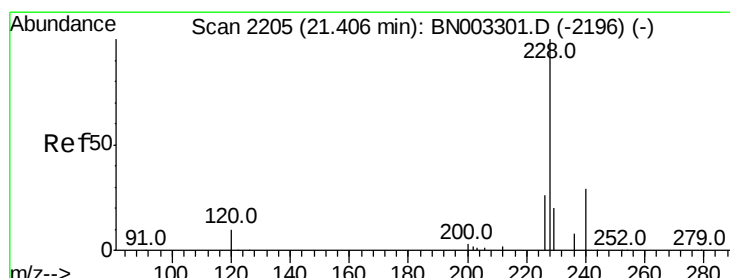
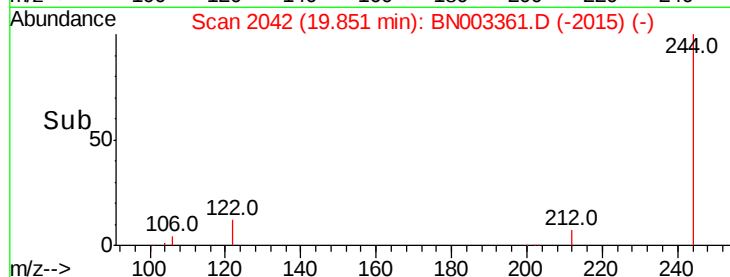
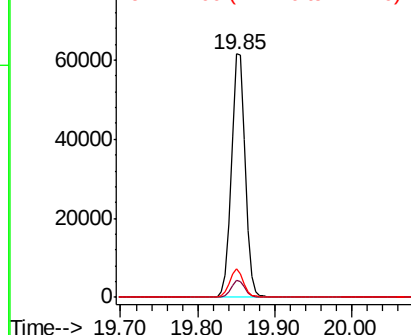
244 100

212 6.9 5.6 8.4

122 11.9 8.5 12.7



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: 0.340 ng

RT: 21.40 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

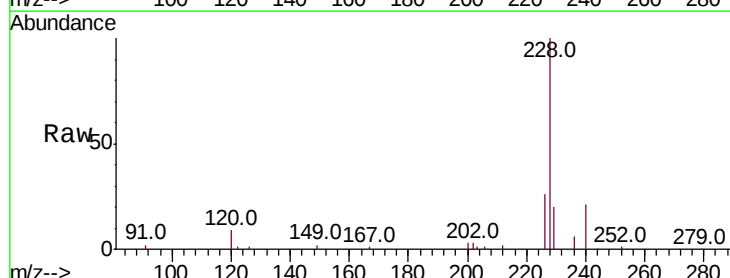
Tgt Ion:228 Resp: 70873

Ion Ratio Lower Upper

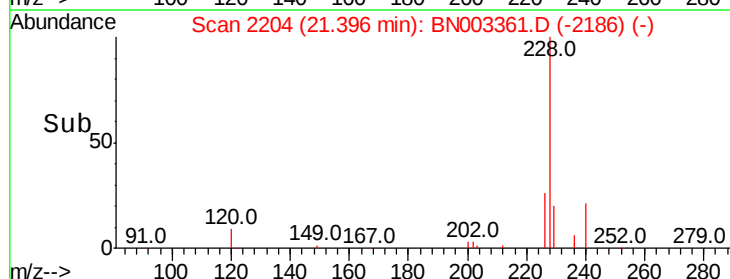
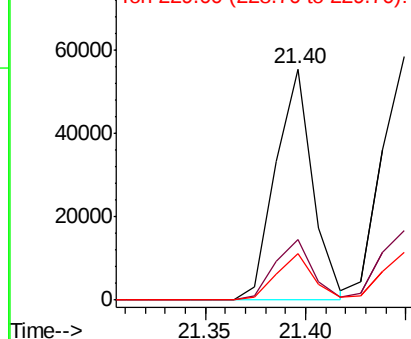
228 100

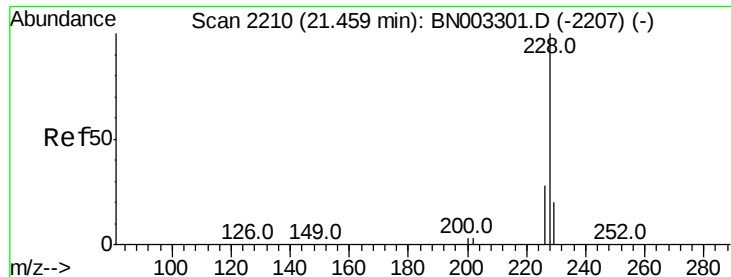
226 26.3 20.8 31.2

229 20.0 16.1 24.1



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: 0.328 ng

RT: 21.45 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

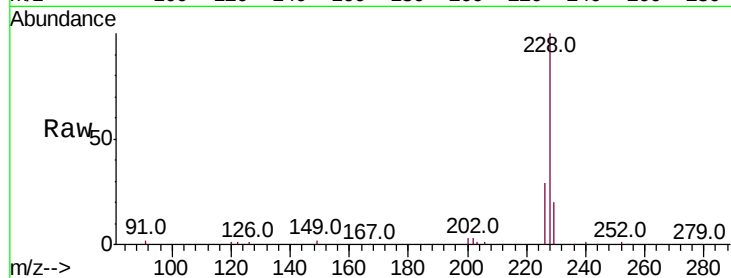
Instrument :

BNA_N

ClientSampled :

Tot Ion:228 Resp: 73694

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.7	34.1
229	19.8	16.0	24.0

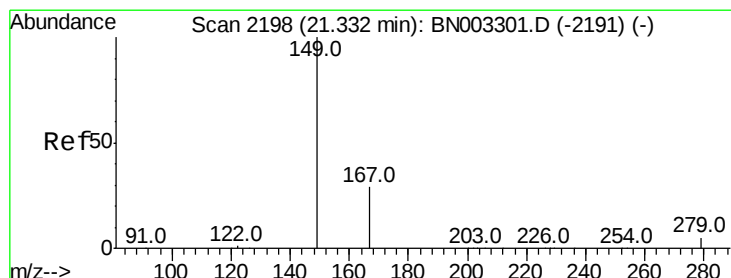
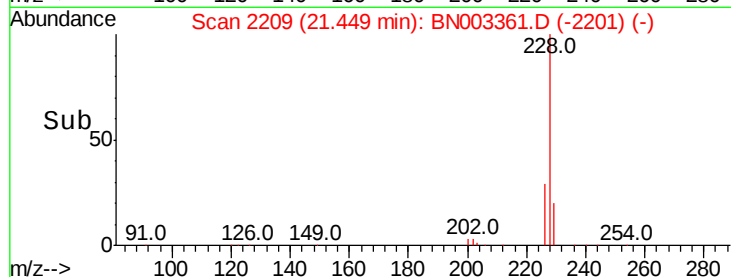
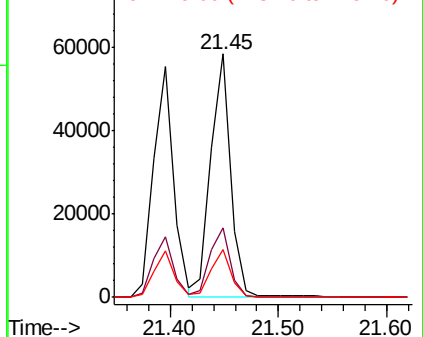


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.431 ng

RT: 21.31 min Scan# 2196

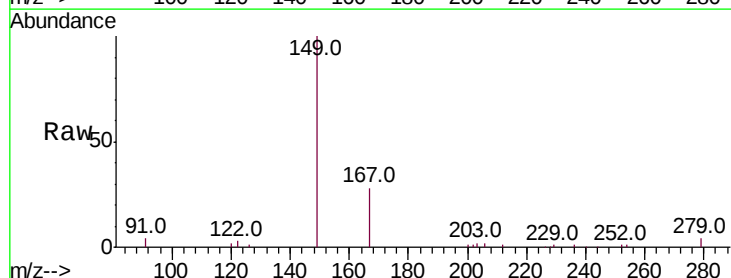
Delta R.T. -0.02 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Tgt Ion:149 Resp: 26562

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.4	33.6
279	5.1	3.9	5.9

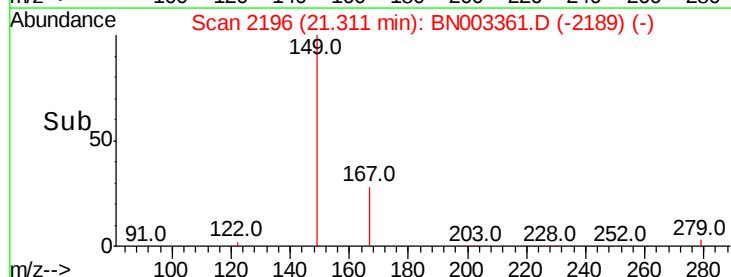
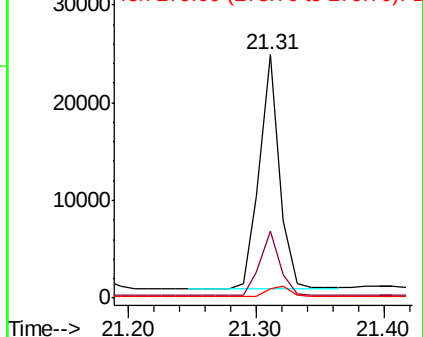


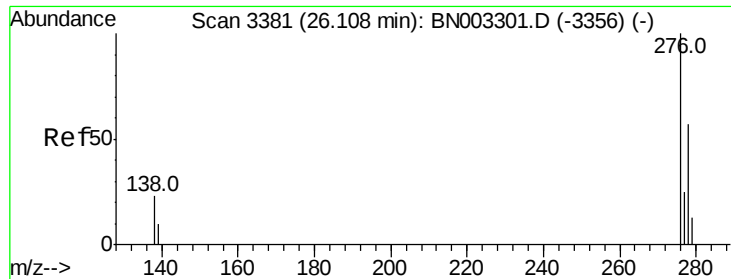
Abundance

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: 0.319 ng

RT: 26.09 min Scan# 3375

Delta R.T. -0.02 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Instrument :

BNA_N

ClientSampleId :

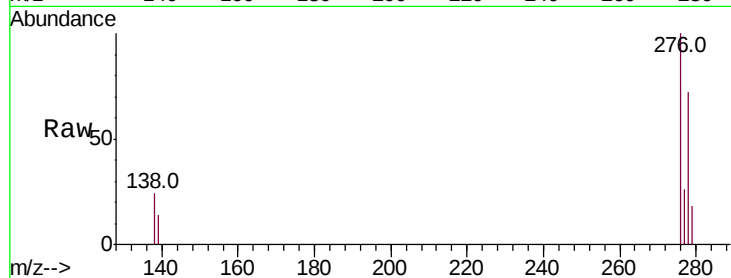
Tot Ion:276 Resp: 74269

Ion Ratio Lower Upper

276 100

138 24.4 20.6 30.8

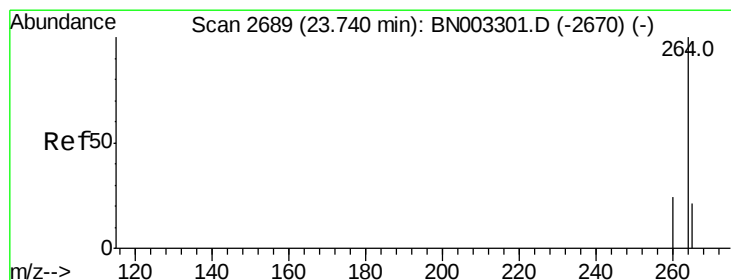
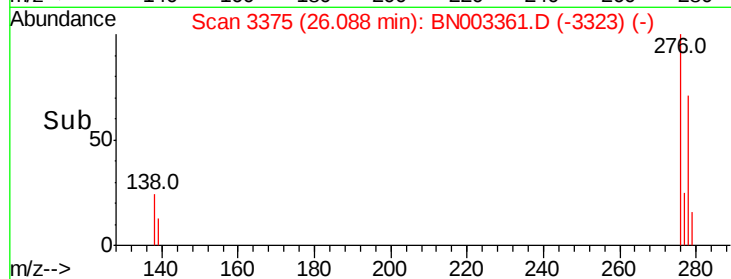
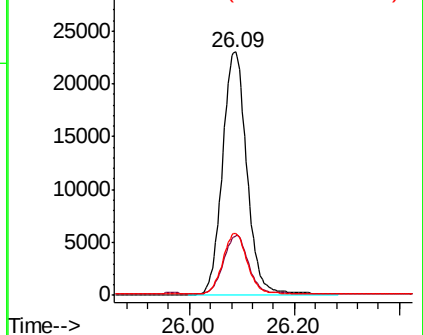
277 25.0 20.0 30.0



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: 23.73 min Scan# 2685

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

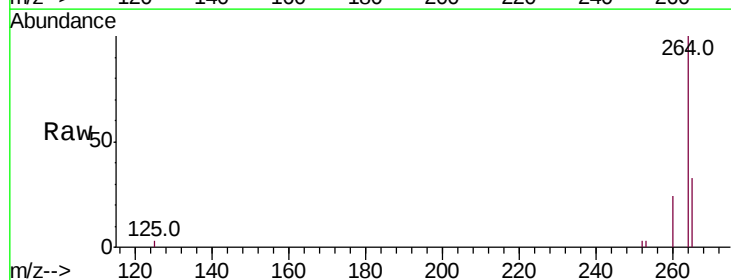
Tgt Ion:264 Resp: 68493

Ion Ratio Lower Upper

264 100

260 24.1 19.1 28.7

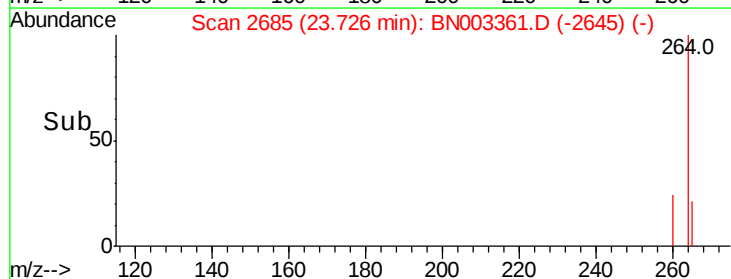
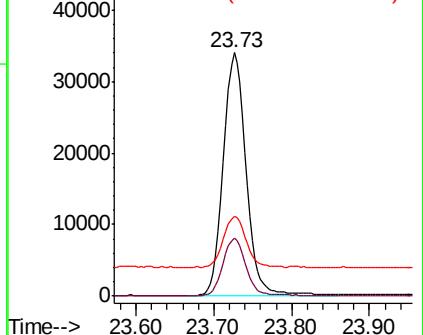
265 32.9 26.4 39.6

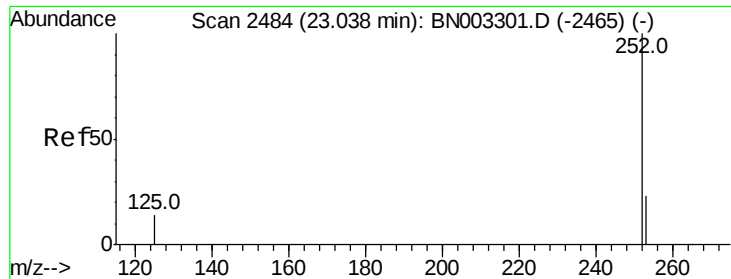


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.354 ng

RT: 23.02 min Scan# 2480

Delta R.T. -0.01 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Instrument :

BNA_N

ClientSampleId :

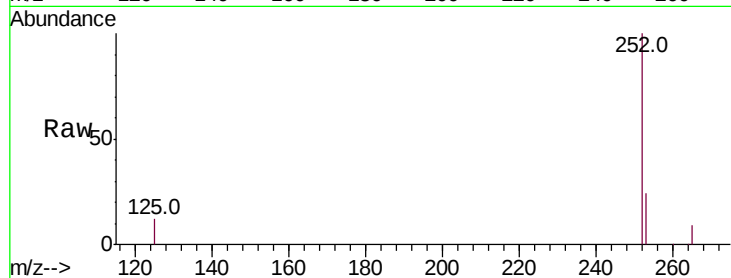
Tot Ion:252 Resp: 75686

Ion Ratio Lower Upper

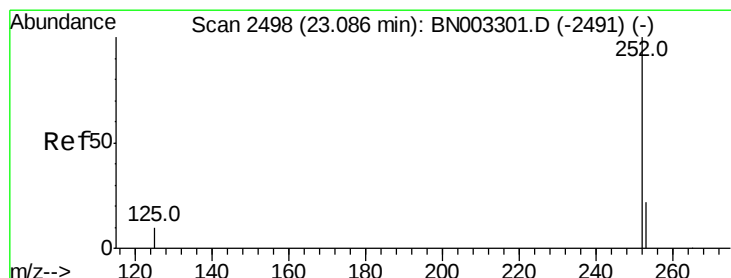
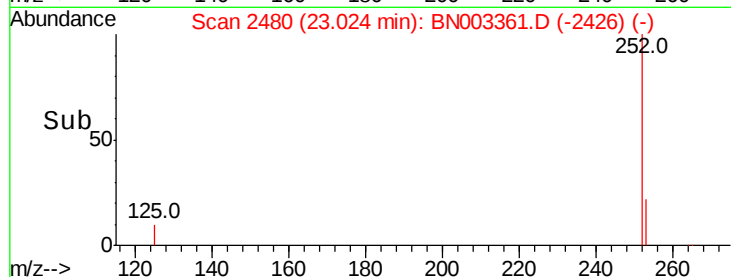
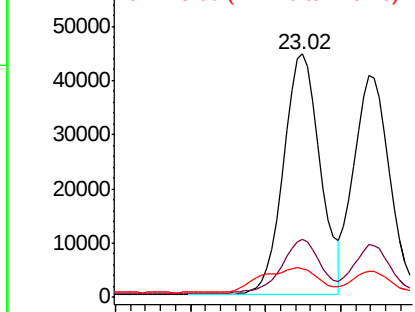
252 100

253 23.8 19.3 28.9

125 11.9 12.7 19.1#



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: 0.322 ng

RT: 23.07 min Scan# 2493

Delta R.T. -0.02 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

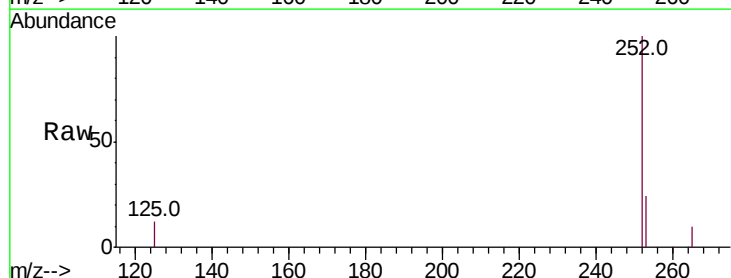
Tgt Ion:252 Resp: 68177

Ion Ratio Lower Upper

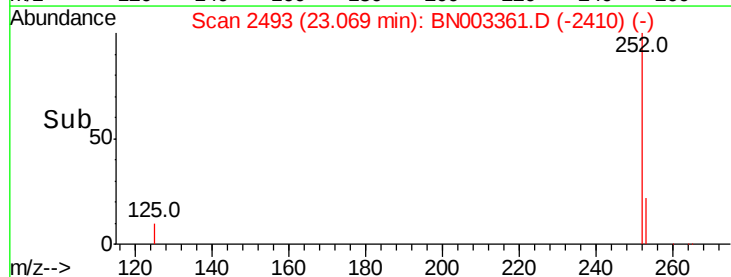
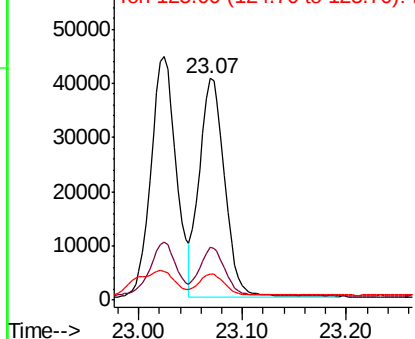
252 100

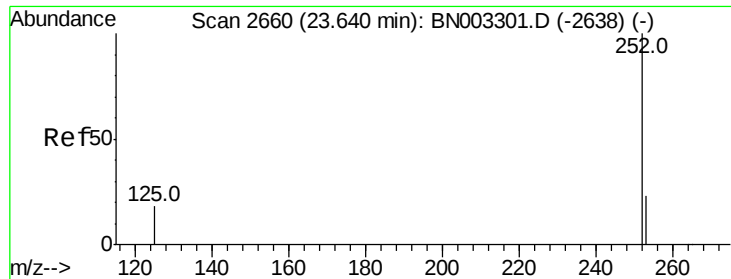
253 23.7 18.5 27.7

125 12.0 9.1 13.7



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: 0.341 ng

RT: 23.62 min Scan# 2655

Delta R.T. -0.02 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Instrument :

BNA_N

ClientSampleId :

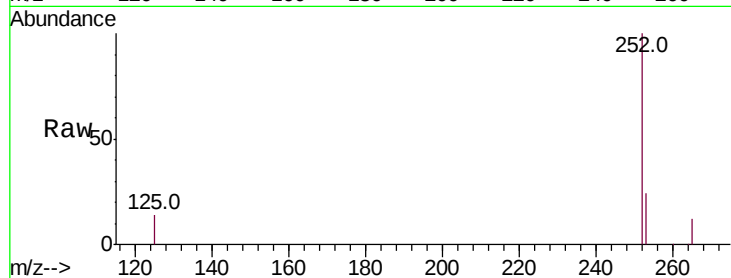
Tot Ion:252 Resp: 66379

Ion Ratio Lower Upper

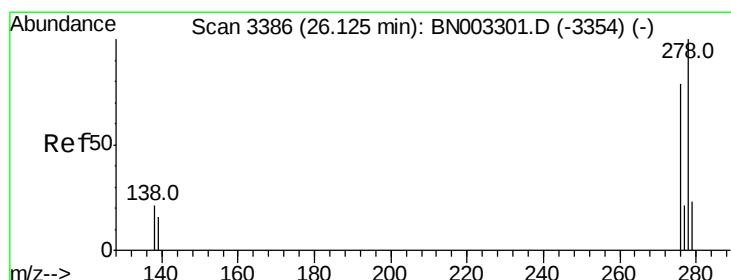
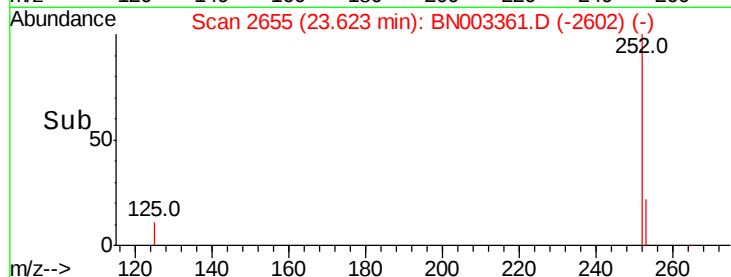
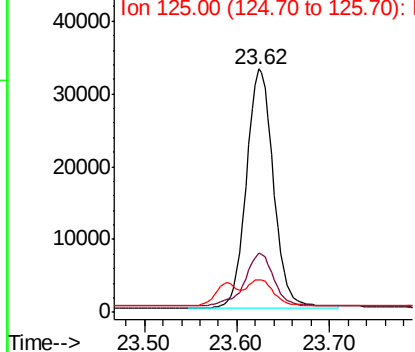
252 100

253 24.2 20.1 30.1

125 13.6 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



#38

Dibenzo(a,h)anthracene

Concen: 0.343 ng

RT: 26.10 min Scan# 3379

Delta R.T. -0.02 min

Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

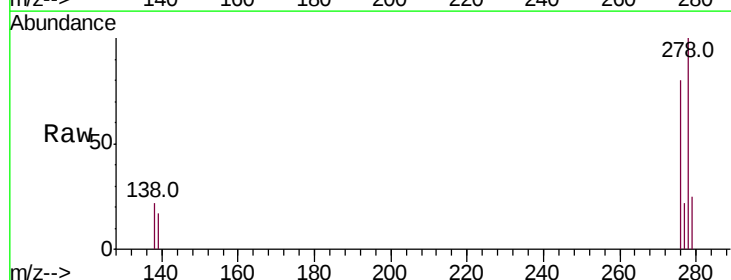
Tgt Ion:278 Resp: 62215

Ion Ratio Lower Upper

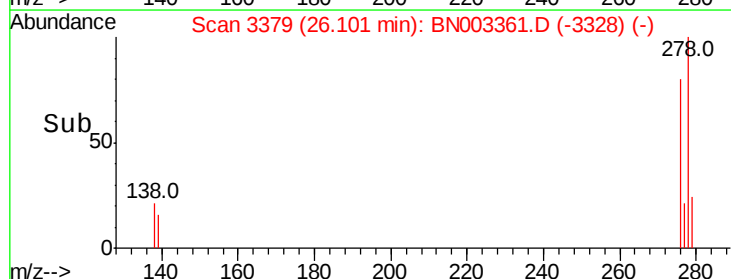
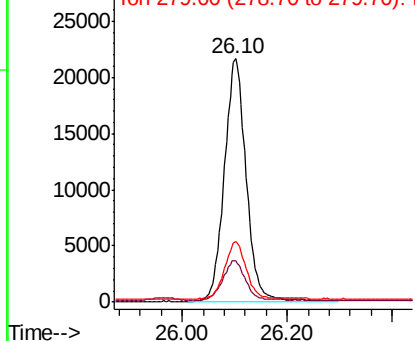
278 100

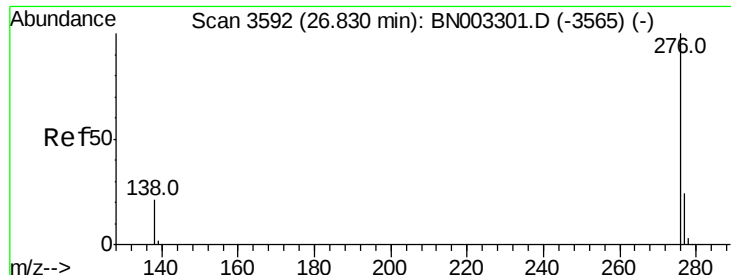
139 16.9 13.5 20.3

279 24.8 19.8 29.6



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: 0.351 ng

RT: 26.81 min Scan# 3586

Delta R.T. -0.02 min

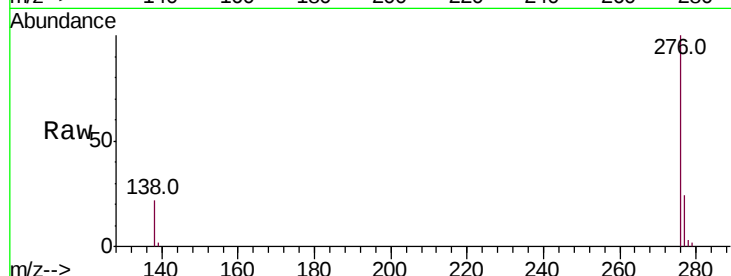
Lab File: BN003361.D

Acq: 30 Oct 2018 16:50

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 63606

Ion Ratio Lower Upper

276 100

277 24.0 19.5 29.3

138 21.5 17.4 26.2

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

