

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN103018\
 Data File : BN003360.D
 Acq On : 30 Oct 2018 16:15
 Operator : MJ/SJ
 Sample : J5692-11MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 30 18:14:49 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	17574	0.40	ng	0.00
7) Naphthalene-d8	10.66	136	73934	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	43382	0.40	ng	-0.01
19) Phenanthrene-d10	17.23	188	89736	0.40	ng	-0.01
27) Chrysene-d12	21.42	240	68911	0.40	ng	0.00
34) Perylene-d12	23.73	264	62722	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.42	112	6035	0.14	ng	0.00
5) Phenol-d6	7.01	99	4508	0.08	ng	0.00
8) Nitrobenzene-d5	9.01	82	13225	0.41	ng	-0.01
11) 2-Methylnaphthalene-d10	12.24	152	35978	0.30	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	4959	0.29	ng	-0.01
15) 2-Fluorobiphenyl	13.11	172	60943	0.33	ng	-0.02
25) Fluoranthene-d10	19.26	212	66133	0.25	ng	-0.01
29) Terphenyl-d14	19.86	244	67200	0.42	ng	-0.01

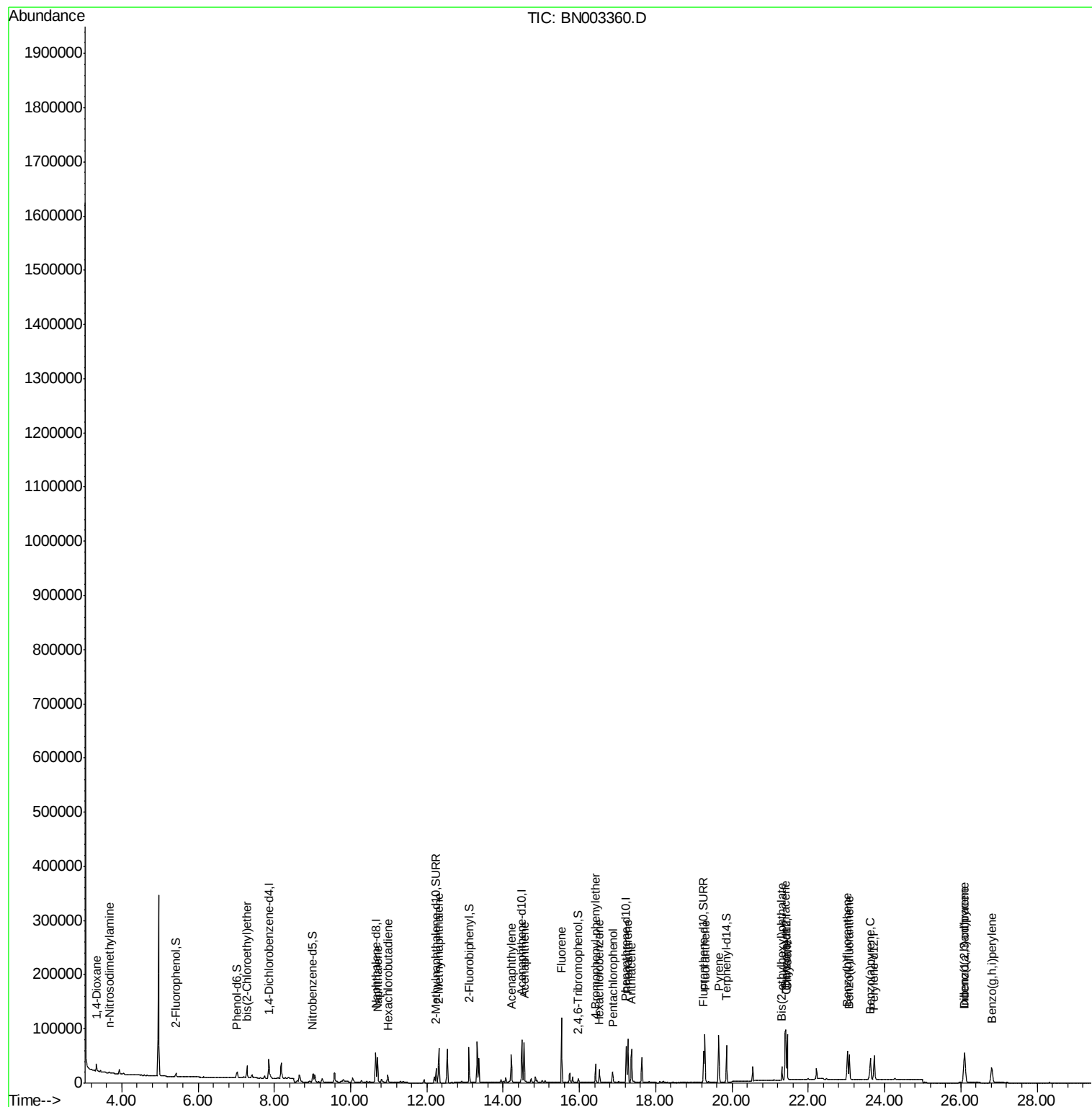
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	7677	0.337	ng	# 83
3) n-Nitrosodimethylamine	3.67	42	1540	0.147	ng	# 85
6) bis(2-Chloroethyl)ether	7.28	93	16546	0.337	ng	98
9) Naphthalene	10.71	128	62796	0.347	ng	100
10) Hexachlorobutadiene	10.97	225	9839	0.298	ng	# 99
12) 2-Methylnaphthalene	12.31	142	44560	0.353	ng	97
16) Acenaphthylene	14.21	152	57389	0.297	ng	100
17) Acenaphthene	14.56	154	42220	0.315	ng	98
18) Fluorene	15.54	166	51360	0.306	ng	100
20) 4-Bromophenyl-phenylether	16.42	248	16598	0.319	ng	# 75
21) Hexachlorobenzene	16.53	284	17280	0.315	ng	99
22) Pentachlorophenol	16.88	266	10247	0.690	ng	97
23) Phenanthrene	17.27	178	81002	0.329	ng	100
24) Anthracene	17.37	178	67708	0.321	ng	99
26) Fluoranthene	19.29	202	79112	0.280	ng	100
28) Pyrene	19.65	202	78241	0.411	ng	99
30) Benzo(a)anthracene	21.40	228	63436	0.351	ng	98
31) Chrysene	21.45	228	64391	0.331	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	21850	0.409	ng	100
33) Indeno(1,2,3-cd)pyrene	26.09	276	69711	0.346	ng	99
35) Benzo(b)fluoranthene	23.03	252	67847	0.347	ng	# 96
36) Benzo(k)fluoranthene	23.08	252	62390	0.322	ng	99
37) Benzo(a)pyrene	23.63	252	60264	0.338	ng	# 94
38) Dibenzo(a,h)anthracene	26.11	278	58432	0.352	ng	100
39) Benzo(g,h,i)perylene	26.81	276	60204	0.363	ng	100

(#) = 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: BN003360.D

Acq: 30 Oct 2018 16:15

Instrument :

BNA_N

ClientSampled :

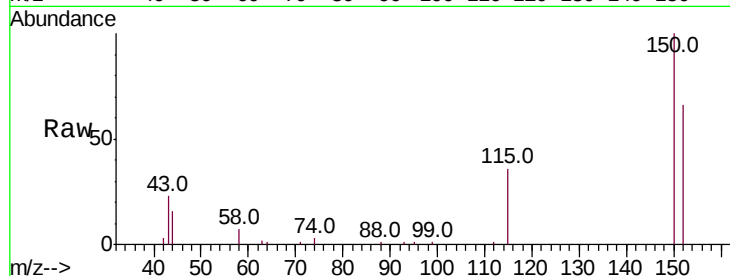
Tot Ion:152 Resp: 17574

Ion Ratio Lower Upper

152 100

150 152.5 124.6 187.0

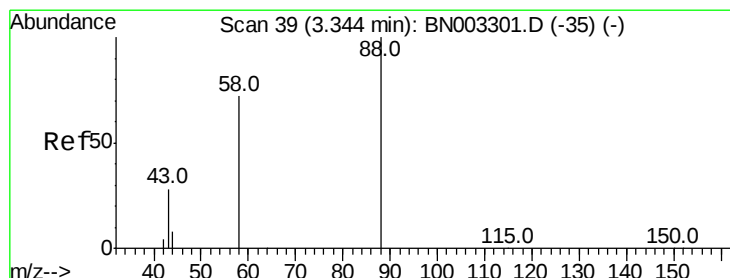
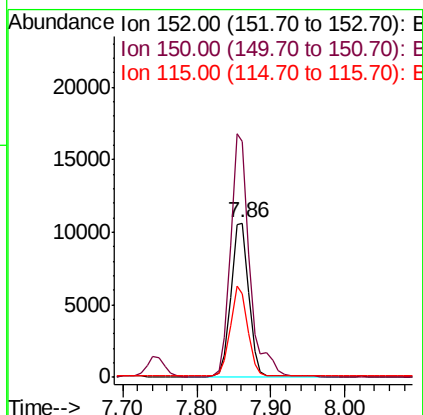
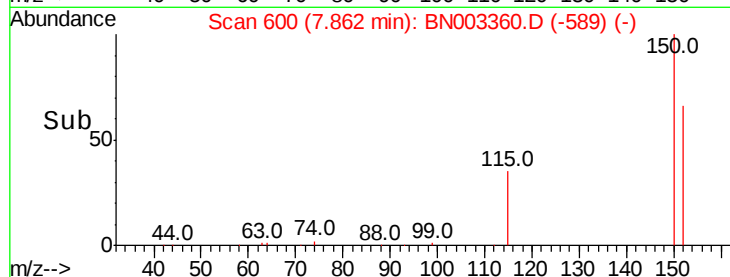
115 54.5 46.4 69.6



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: 0.337 ng

RT: 3.34 min Scan# 38

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

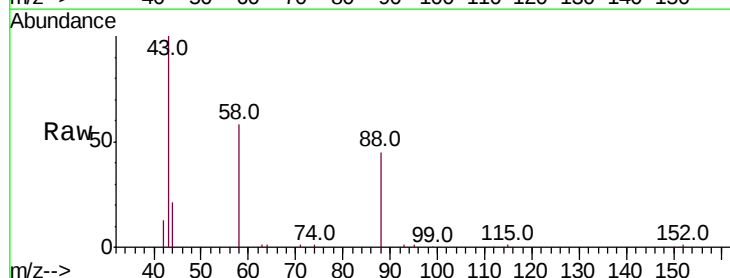
Tgt Ion: 88 Resp: 7677

Ion Ratio Lower Upper

88 100

58 79.9 60.9 91.3

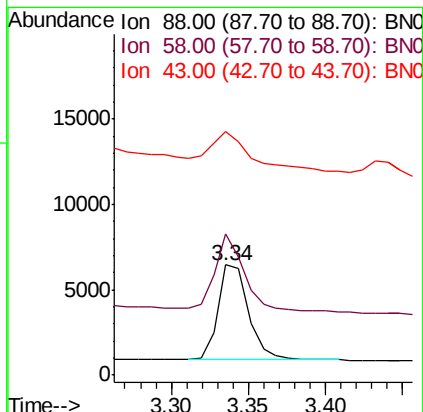
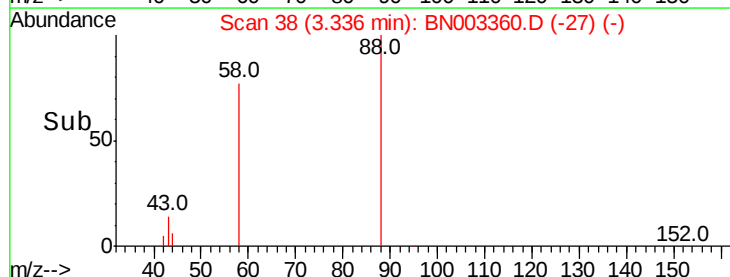
43 56.6 23.9 35.9#



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



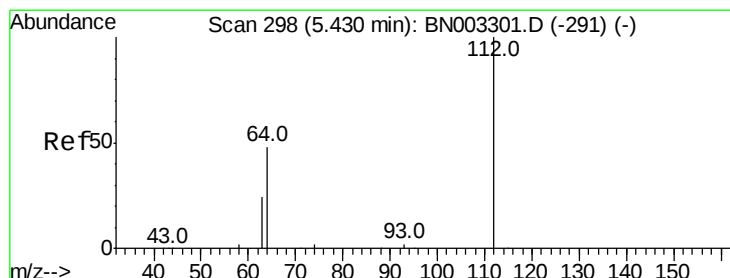
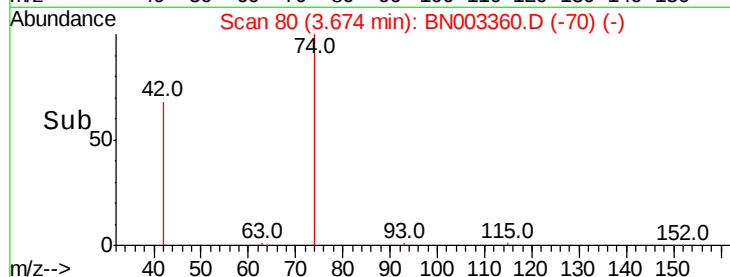
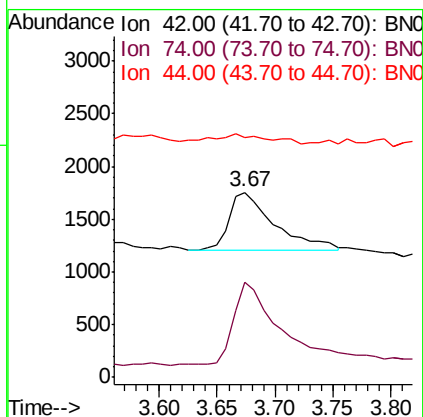
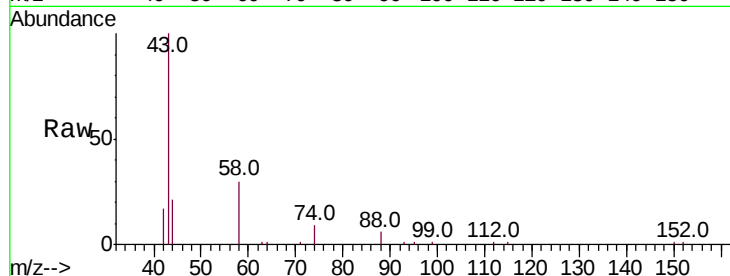


#3

n-Nitrosodimethylamine
Concen: 0.147 ng
RT: 3.67 min Scan# 80
Delta R.T. -0.02 min
Lab File: BN003360.D
Acq: 30 Oct 2018 16:15

Instrument :
BNA_N
ClientSampleId :

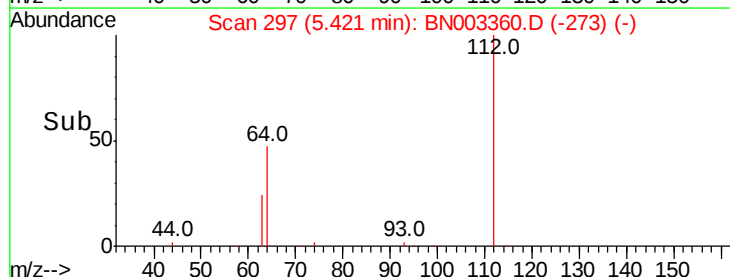
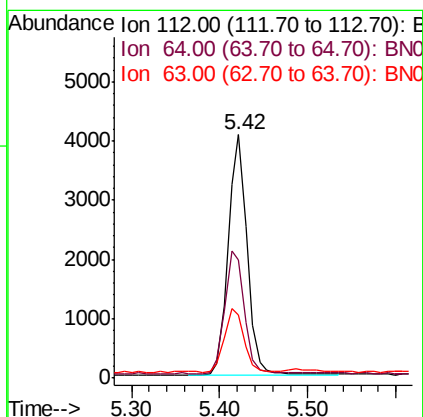
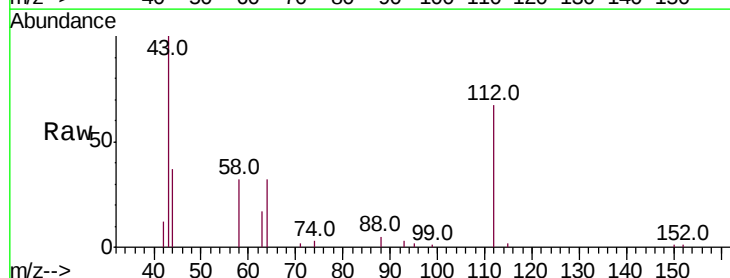
Tot Ion: 42 Resp: 1540
Ion Ratio Lower Upper
42 100
74 140.1 99.1 148.7
44 17.7 4.2 6.4#

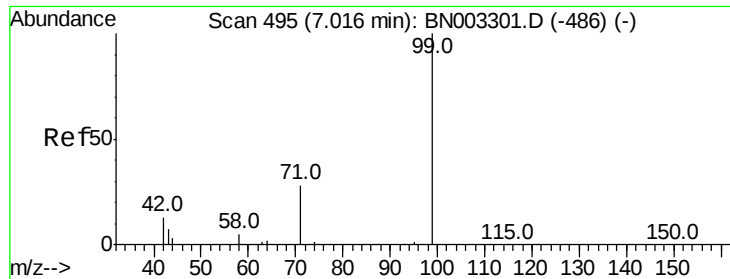


#4

2-Fluorophenol
Concen: 0.139 ng
RT: 5.42 min Scan# 297
Delta R.T. -0.01 min
Lab File: BN003360.D
Acq: 30 Oct 2018 16:15

Tgt Ion: 112 Resp: 6035
Ion Ratio Lower Upper
112 100
64 52.4 44.3 66.5
63 26.9 22.4 33.6





#5

Phenol-d6

Concen: 0.082 ng

RT: 7.01 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

Instrument :

BNA_N

ClientSampleId :

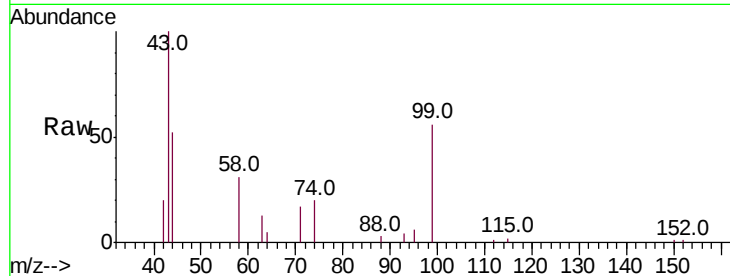
Tot Ion: 99 Resp: 4508

Ion Ratio Lower Upper

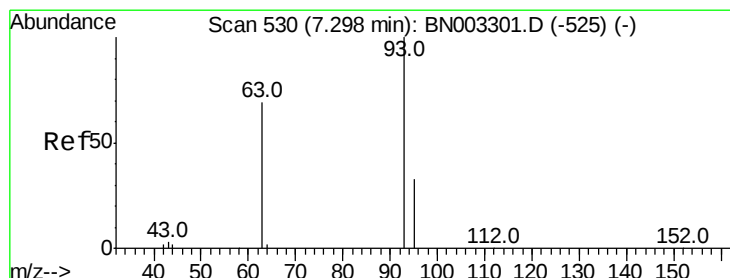
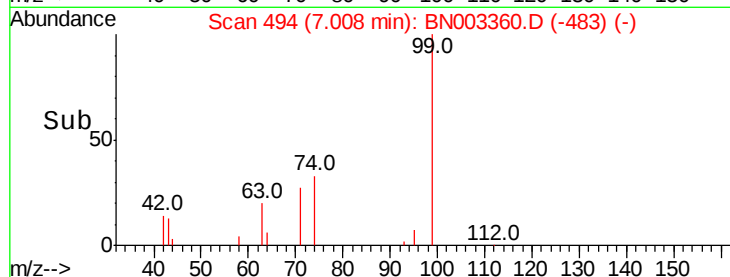
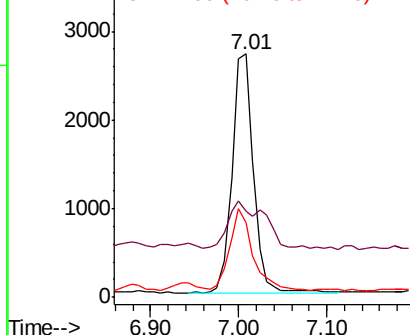
99 100

42 36.1 14.8 22.2#

71 36.9 24.8 37.2



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: 0.337 ng

RT: 7.28 min Scan# 528

Delta R.T. -0.02 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

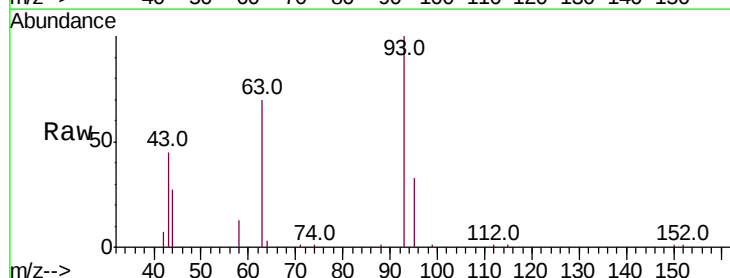
Tgt Ion: 93 Resp: 16546

Ion Ratio Lower Upper

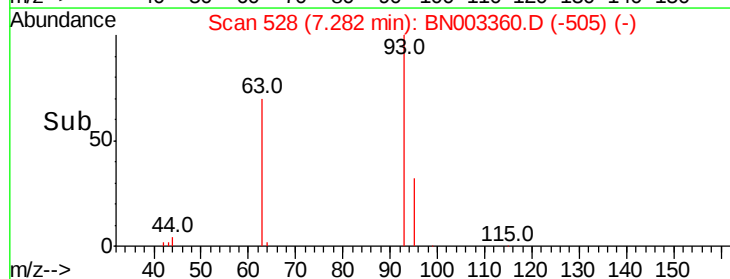
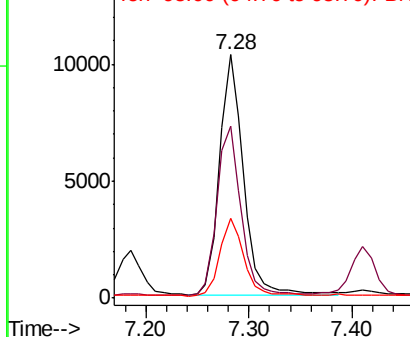
93 100

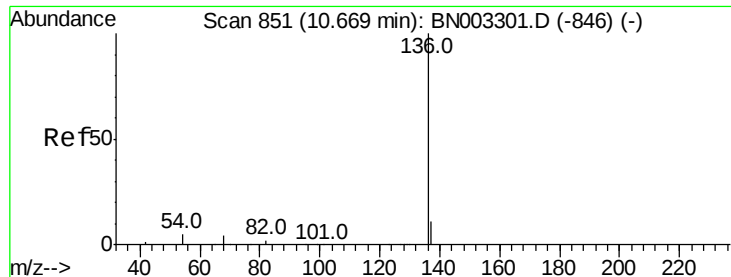
63 71.3 55.8 83.6

95 32.1 25.4 38.2



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: 10.66 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 73934

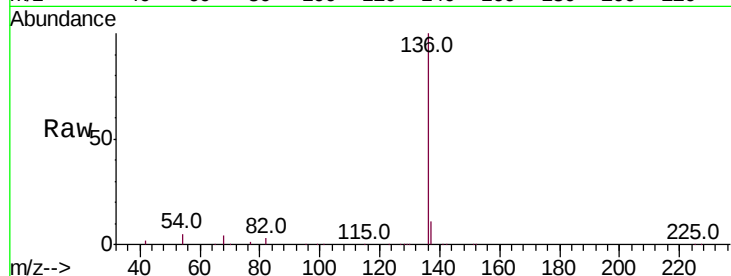
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 5.2 4.1 6.1

68 4.4 3.5 5.3

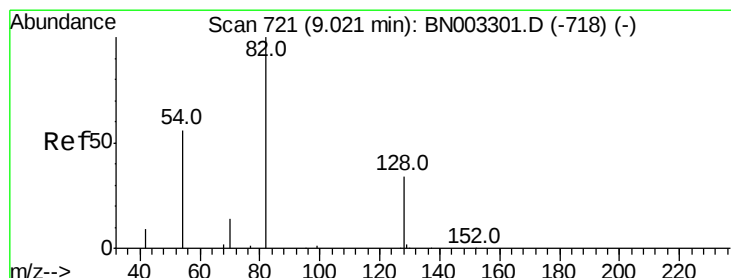
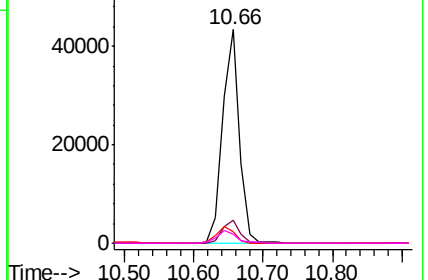
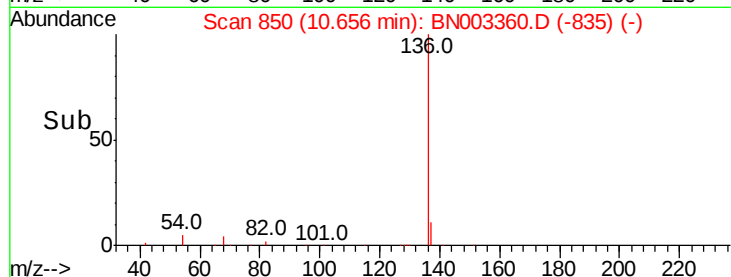


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.408 ng

RT: 9.01 min Scan# 720

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

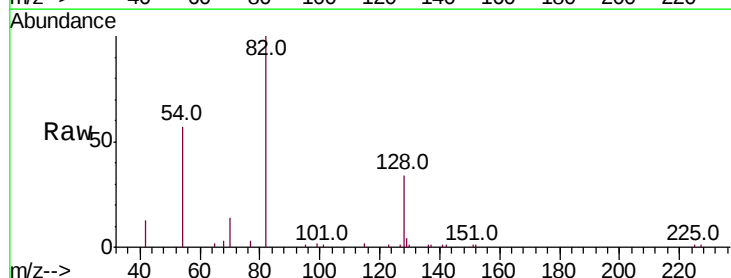
Tgt Ion: 82 Resp: 13225

Ion Ratio Lower Upper

82 100

128 34.4 28.9 43.3

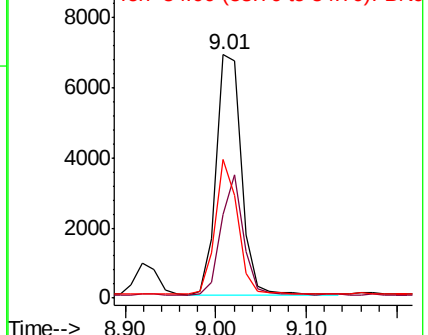
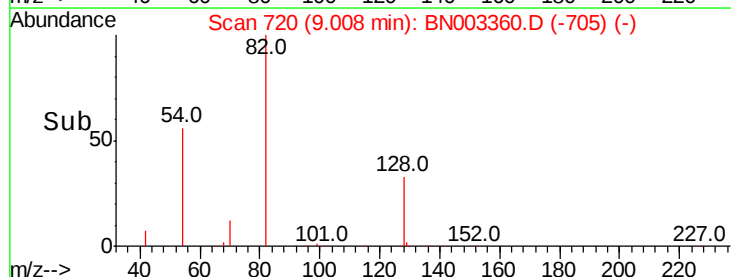
54 57.2 46.1 69.1

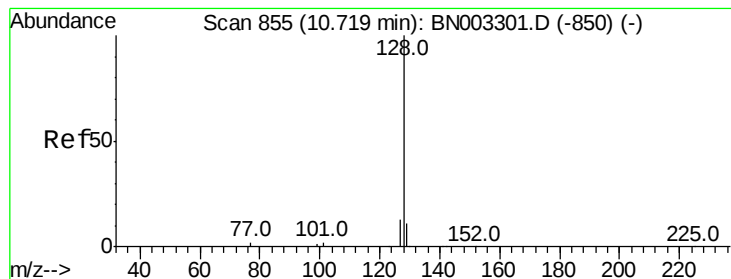


Abundance Ion 82.00 (81.70 to 82.70): BNC

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: BN003360.D

Acq: 30 Oct 2018 16:15

Instrument :

BNA_N

ClientSampleId :

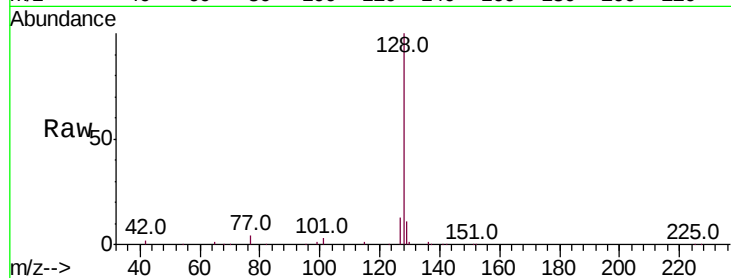
Tot Ion:128 Resp: 62796

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

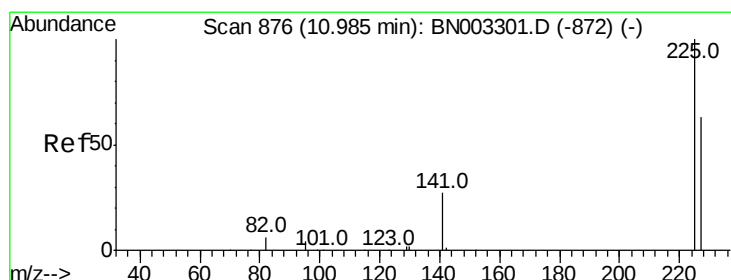
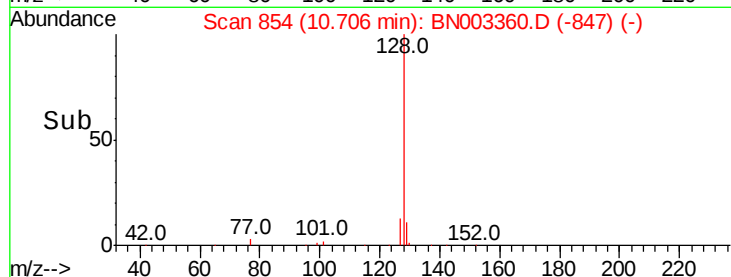
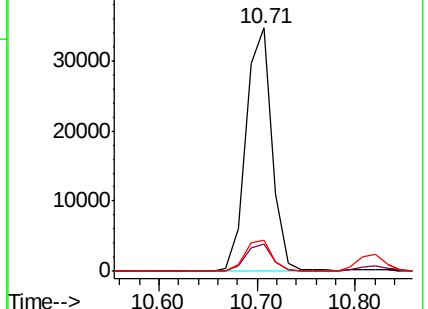
127 12.8 10.2 15.4



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: 0.298 ng

RT: 10.97 min Scan# 875

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

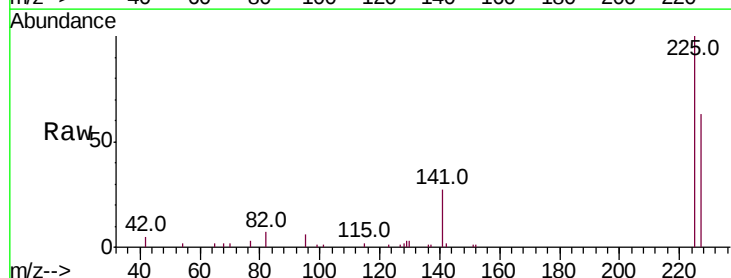
Tgt Ion:225 Resp: 9839

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

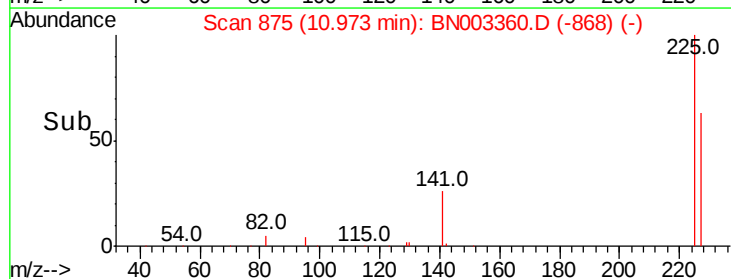
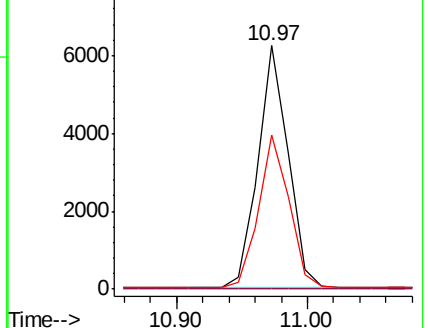
227 63.6 51.3 76.9

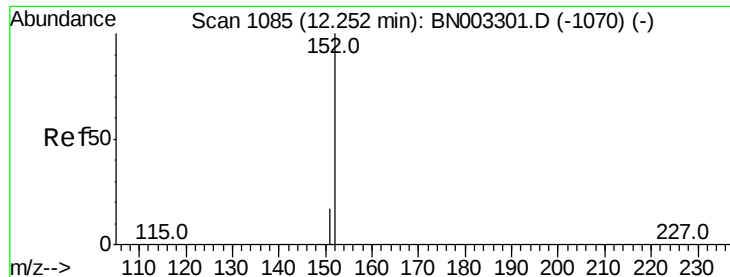


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

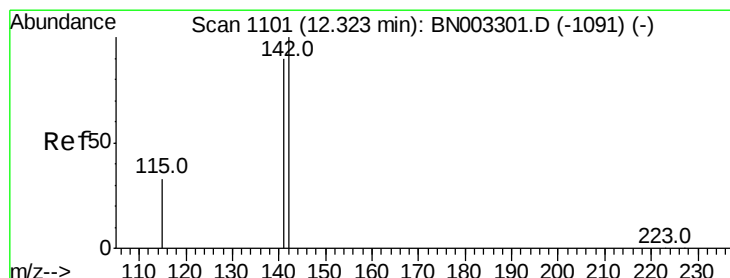
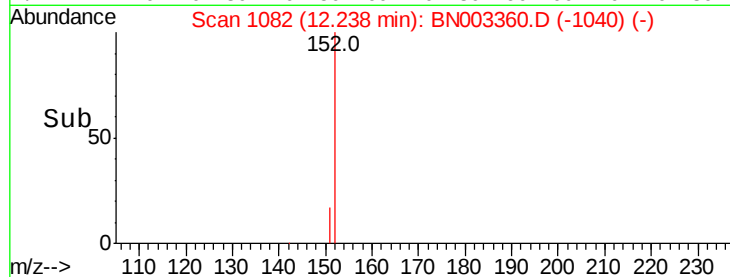
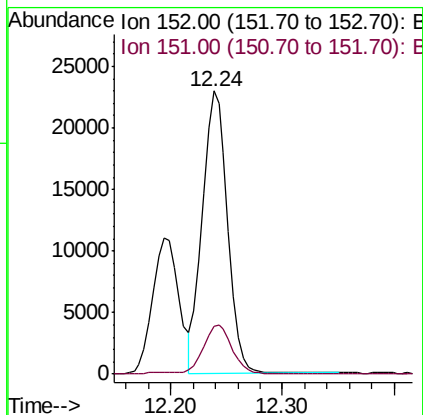
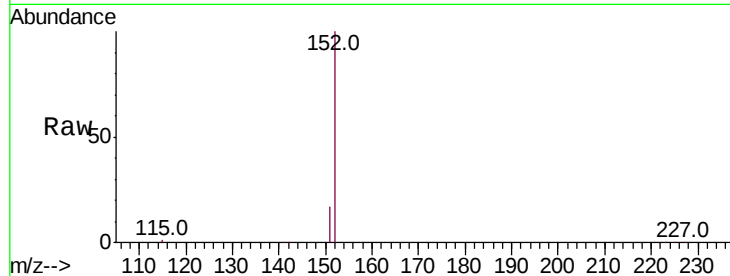




#11
 2-Methylnaphthalene-d10
 Concen: 0.299 ng
 RT: 12.24 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: BN003360.D
 Acq: 30 Oct 2018 16:15

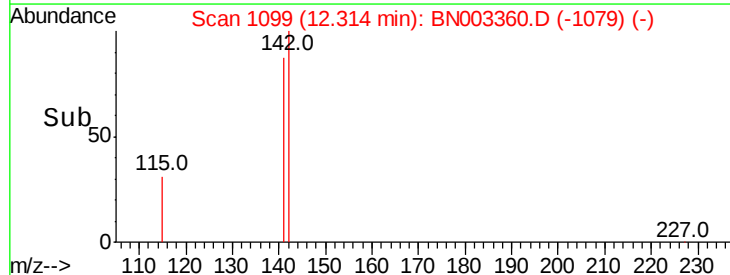
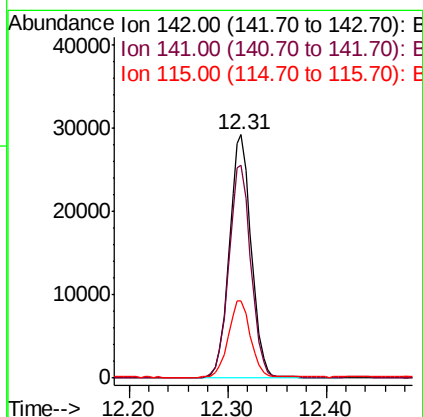
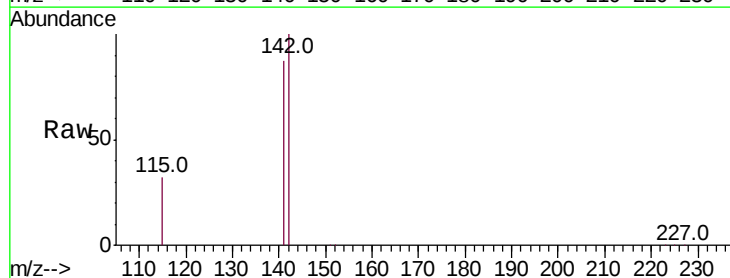
Instrument :
 BNA_N
 ClientSampled :

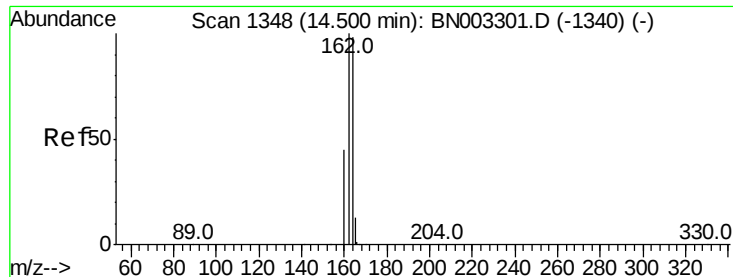
Tot Ion:152 Resp: 35978
 Ion Ratio Lower Upper
 152 100
 151 19.0 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 0.353 ng
 RT: 12.31 min Scan# 1099
 Delta R.T. -0.01 min
 Lab File: BN003360.D
 Acq: 30 Oct 2018 16:15

Tgt Ion:142 Resp: 44560
 Ion Ratio Lower Upper
 142 100
 141 87.5 71.9 107.9
 115 31.6 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: BN003360.D

Acq: 30 Oct 2018 16:15

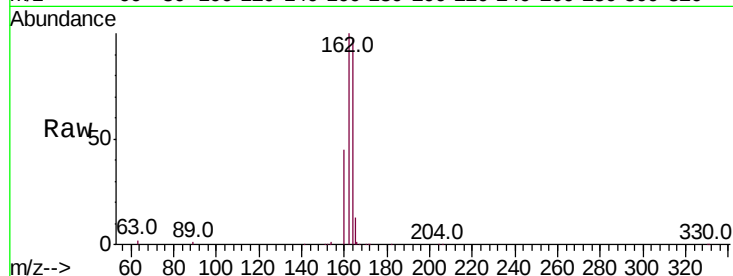
Instrument :

BNA_N

ClientSampleId :

Tot Ion:164 Resp: 43382

Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.8	122.6
160	46.4	37.2	55.8

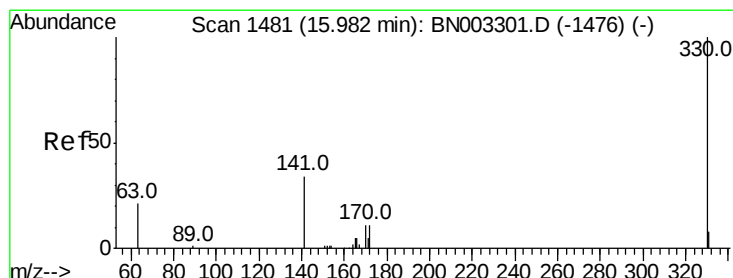
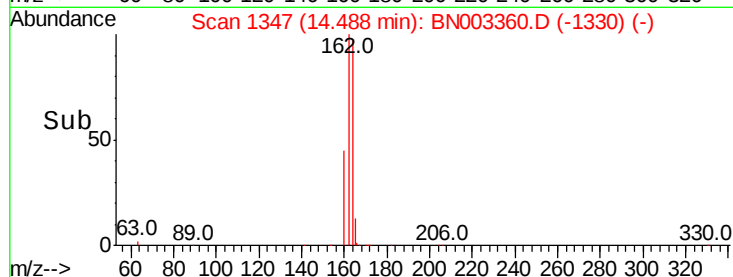
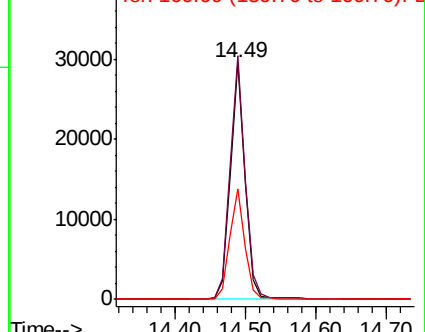


Abundance

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: 0.287 ng

RT: 15.97 min Scan# 1480

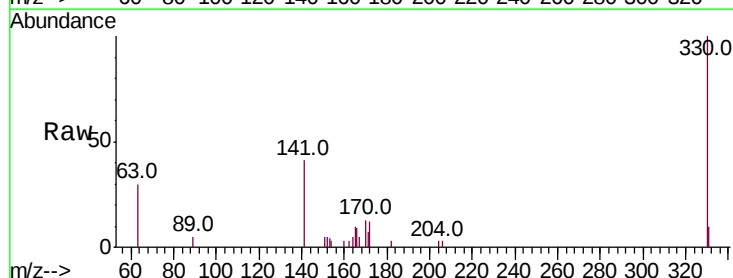
Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

Tgt Ion:330 Resp: 4959

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.6	28.3	42.5

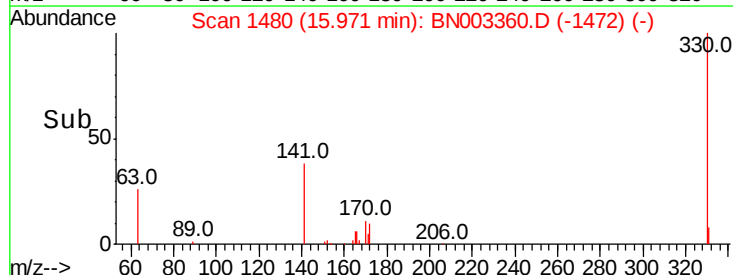
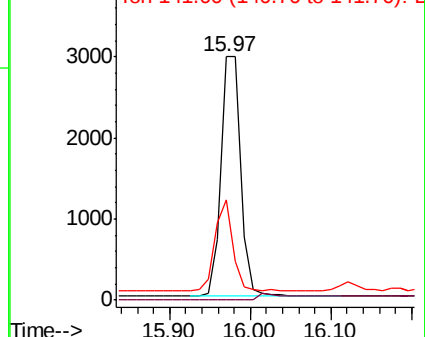


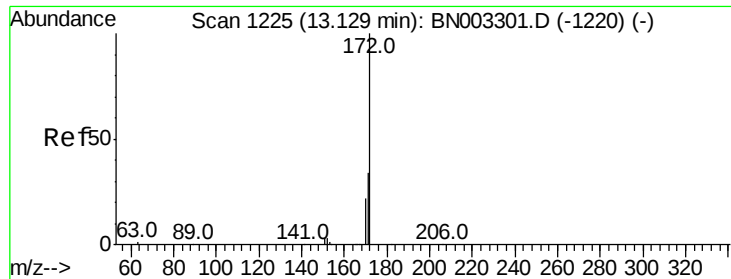
Abundance

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

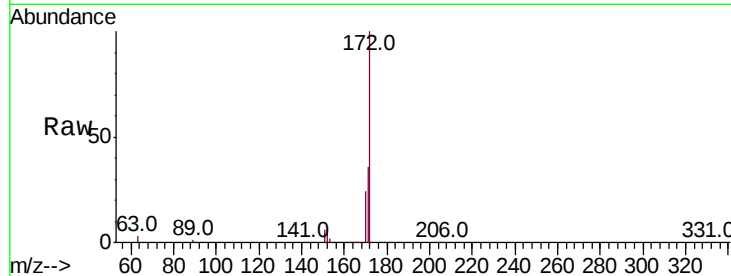




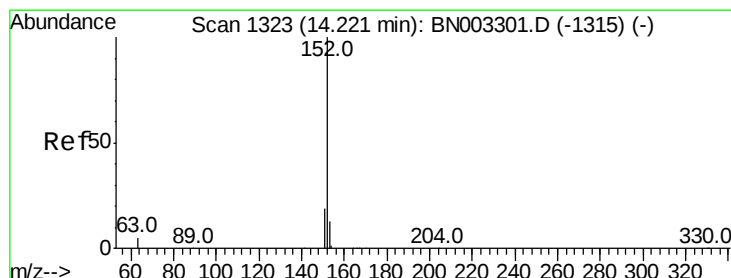
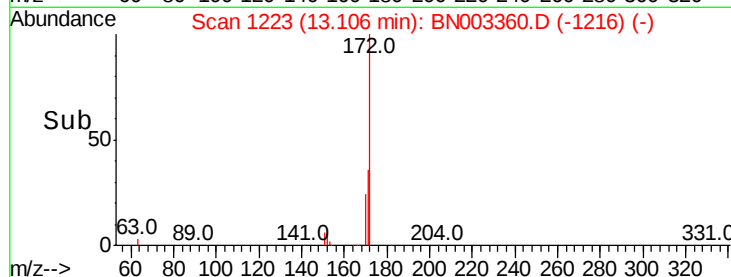
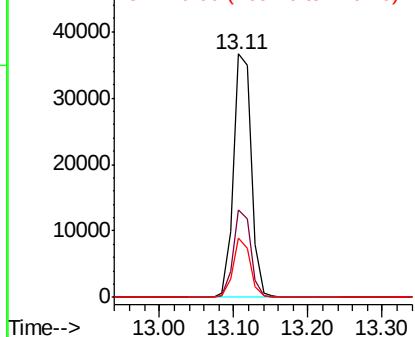
#15
2-Fluorobiphenyl
Concen: 0.326 ng
RT: 13.11 min Scan# 1223
Delta R.T. -0.02 min
Lab File: BN003360.D
Acq: 30 Oct 2018 16:15

Instrument :
BNA_N
ClientSampleId :

Tot Ion:172 Resp: 60943
Ion Ratio Lower Upper
172 100
171 36.0 27.1 40.7
170 24.2 17.4 26.0

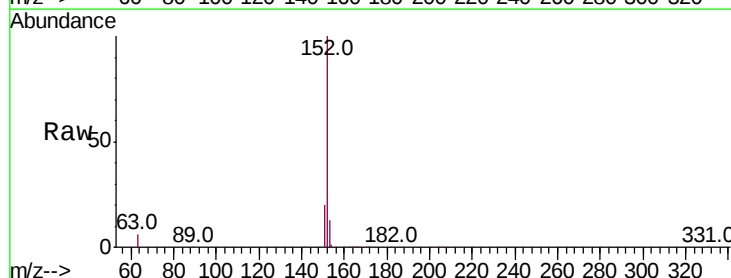


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

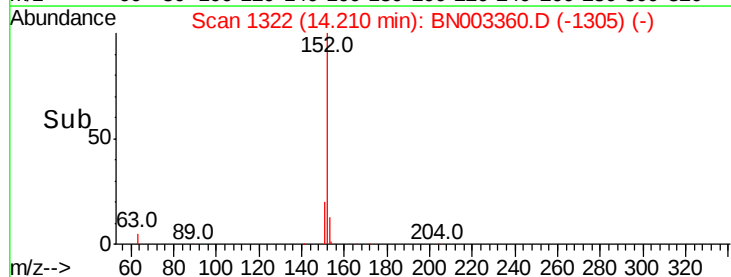
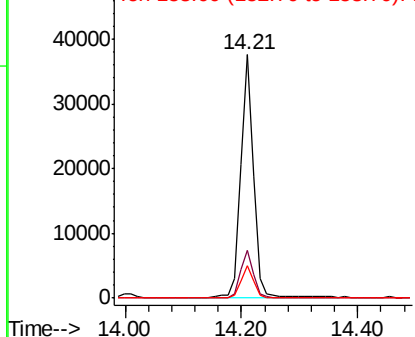


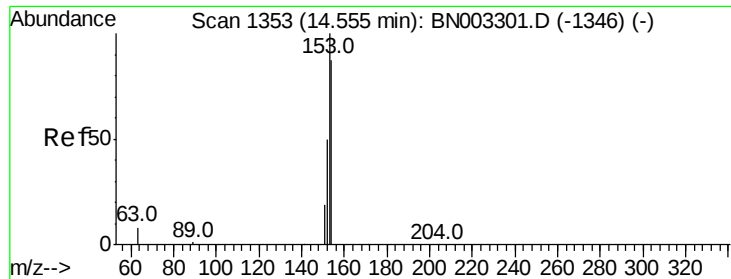
#16
Acenaphthylene
Concen: 0.297 ng
RT: 14.21 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BN003360.D
Acq: 30 Oct 2018 16:15

Tgt Ion:152 Resp: 57389
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.1 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.315 ng

RT: 14.56 min Scan# 1353

Delta R.T. -0.00 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

Instrument :

BNA_N

ClientSampleId :

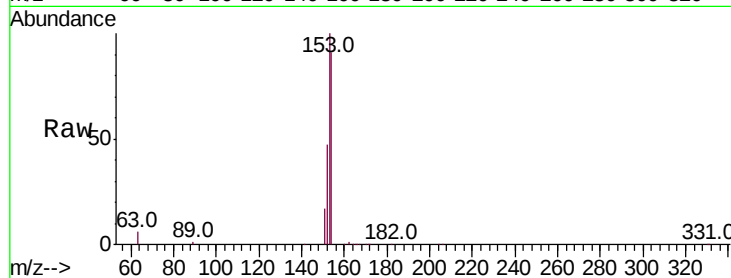
Tot Ion:154 Resp: 42220

Ion Ratio Lower Upper

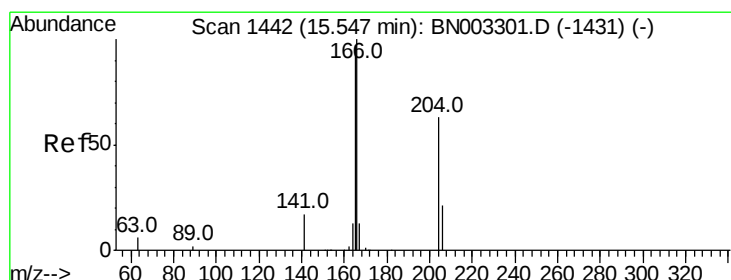
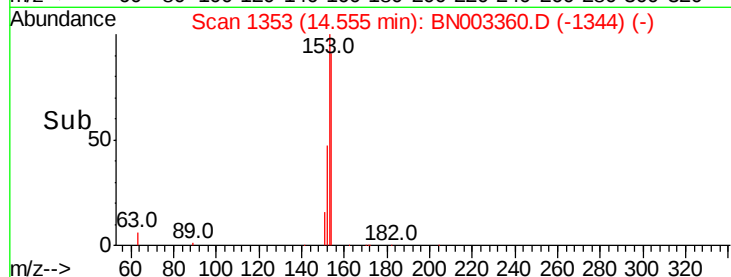
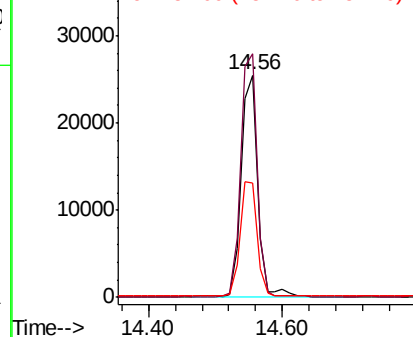
154 100

153 109.1 88.9 133.3

152 53.3 43.5 65.3



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: 0.306 ng

RT: 15.54 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

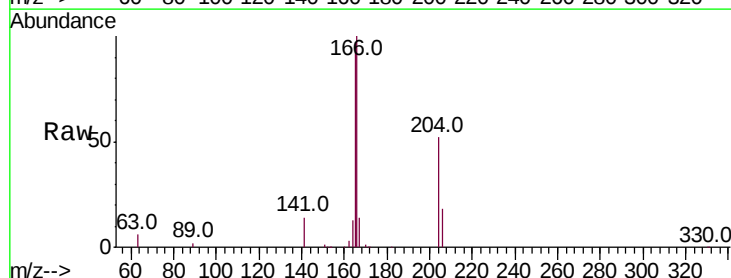
Tgt Ion:166 Resp: 51360

Ion Ratio Lower Upper

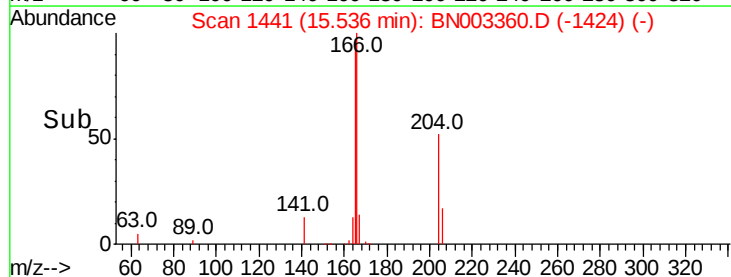
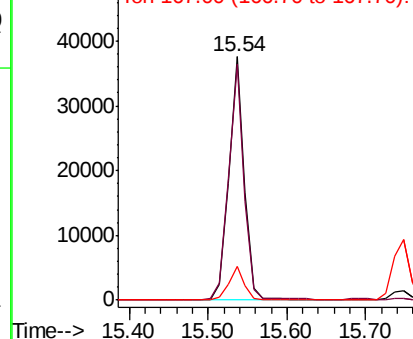
166 100

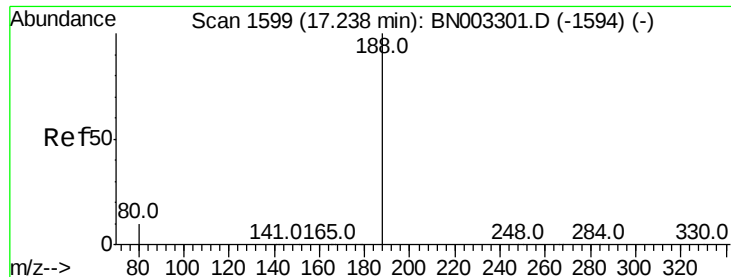
165 97.7 77.8 116.8

167 13.8 10.9 16.3



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: 17.23 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

Instrument :

BNA_N

ClientSampleId :

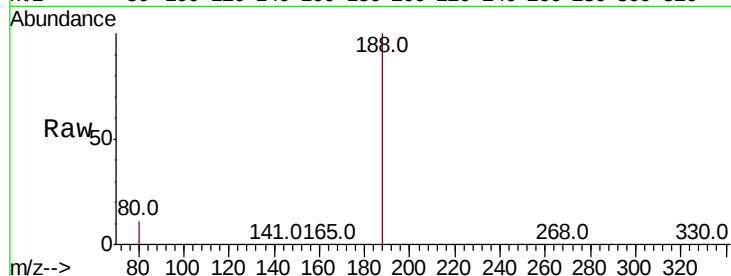
Tot Ion:188 Resp: 89736

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

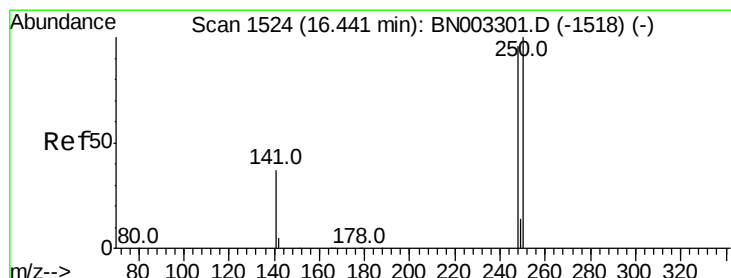
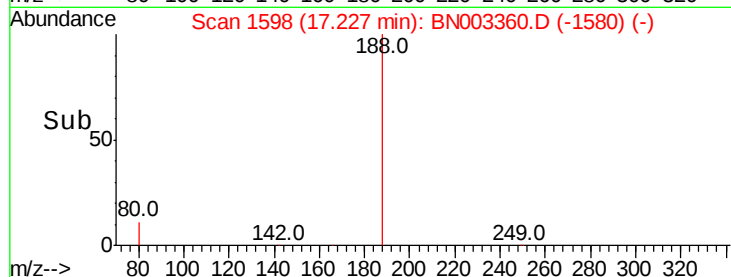
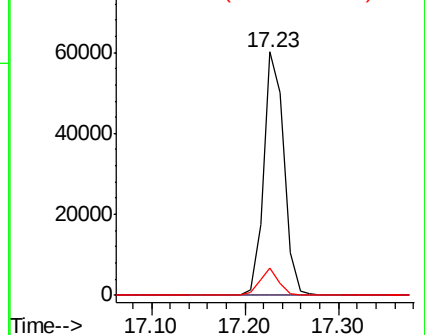
80 11.1 8.6 12.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.319 ng

RT: 16.42 min Scan# 1522

Delta R.T. -0.02 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

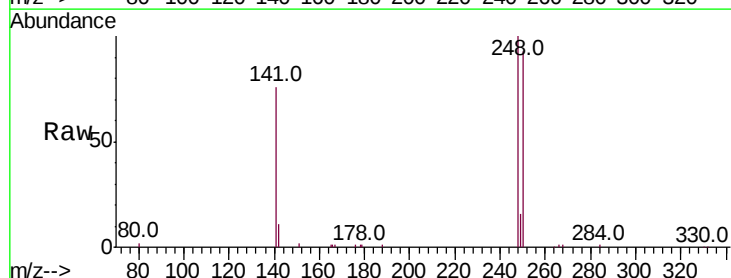
Tgt Ion:248 Resp: 16598

Ion Ratio Lower Upper

248 100

250 92.6 83.7 125.5

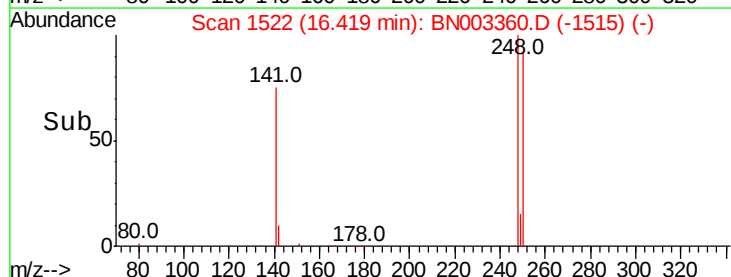
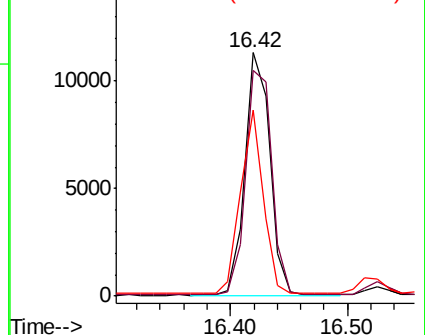
141 76.1 31.4 47.0#

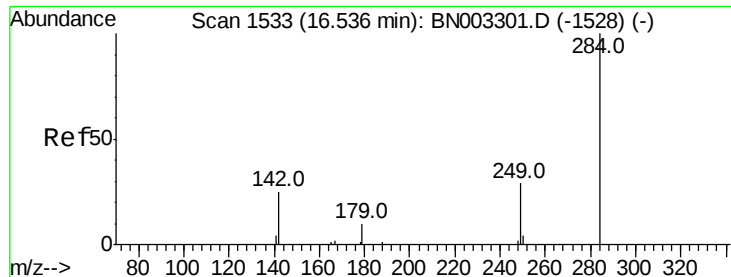


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.315 ng

RT: 16.53 min Scan# 1532

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

Instrument :

BNA_N

ClientSampleId :

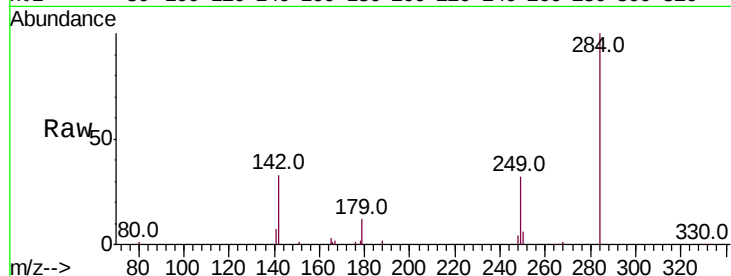
Tot Ion:284 Resp: 17280

Ion Ratio Lower Upper

284 100

142 35.7 29.7 44.5

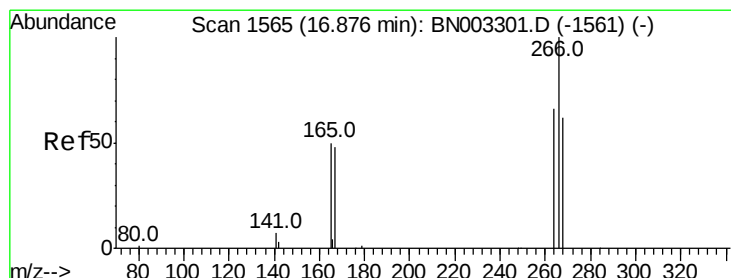
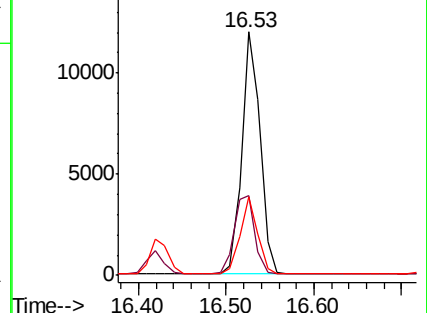
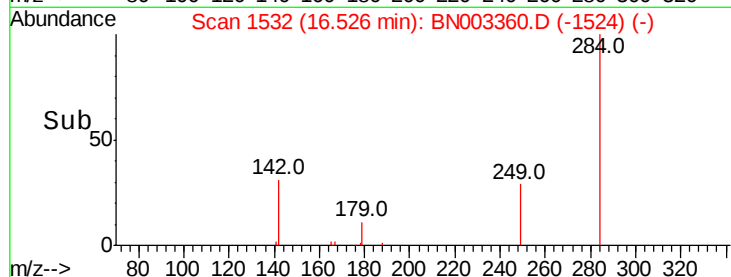
249 29.9 24.0 36.0



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: 0.690 ng

RT: 16.88 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

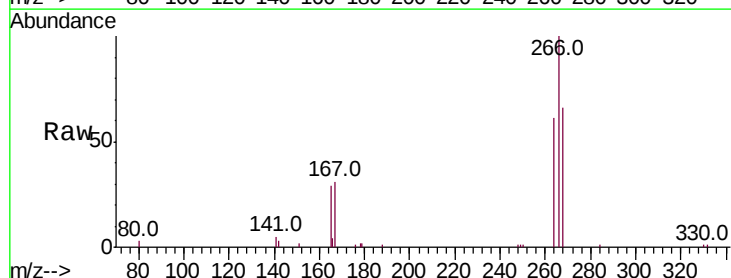
Tgt Ion:266 Resp: 10247

Ion Ratio Lower Upper

266 100

264 61.2 52.1 78.1

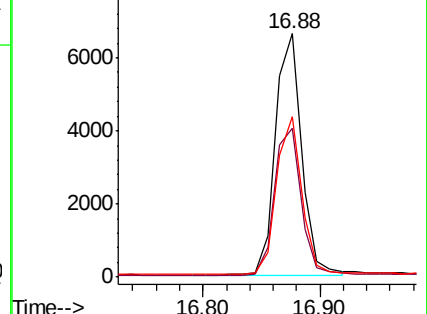
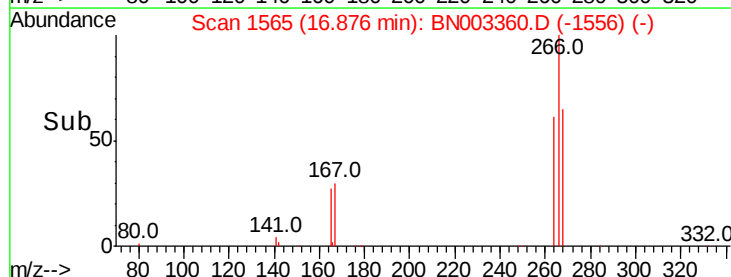
268 65.6 51.8 77.6

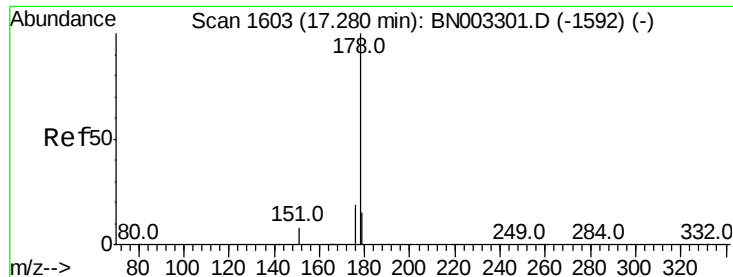


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.329 ng

RT: 17.27 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

Instrument :

BNA_N

ClientSampleId :

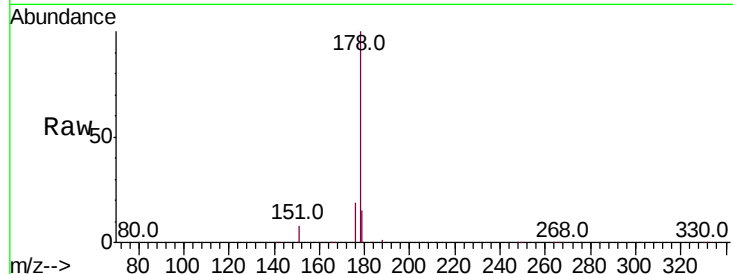
Tot Ion:178 Resp: 81002

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

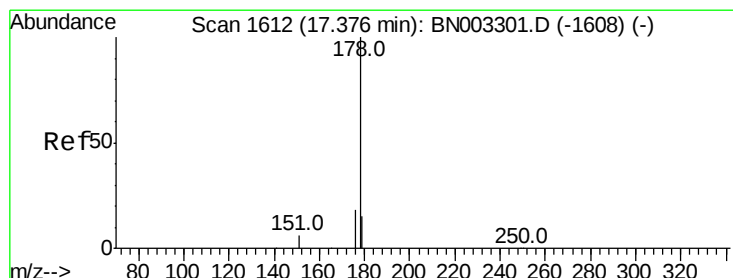
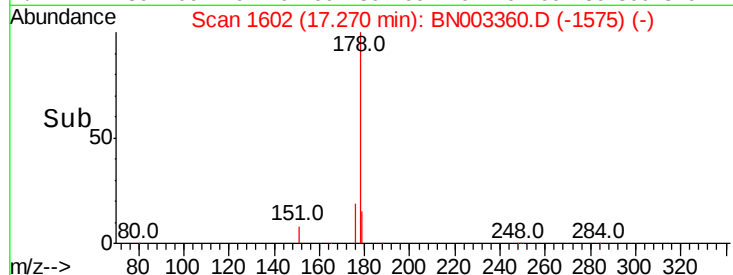
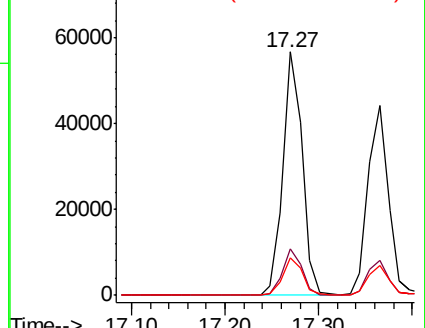
179 15.4 12.4 18.6



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: 0.321 ng

RT: 17.37 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

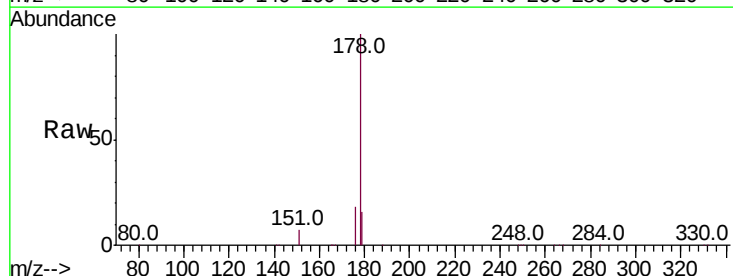
Tgt Ion:178 Resp: 67708

Ion Ratio Lower Upper

178 100

176 18.3 14.5 21.7

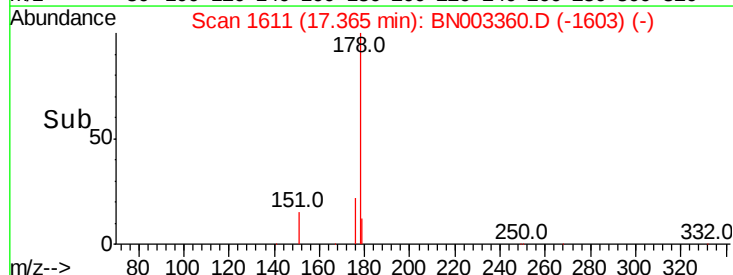
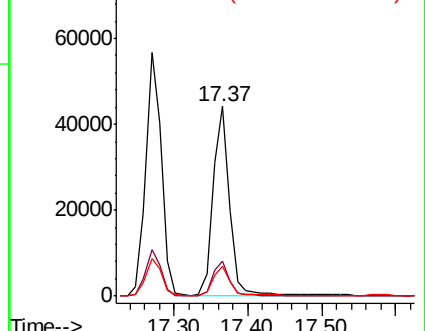
179 15.0 12.2 18.4

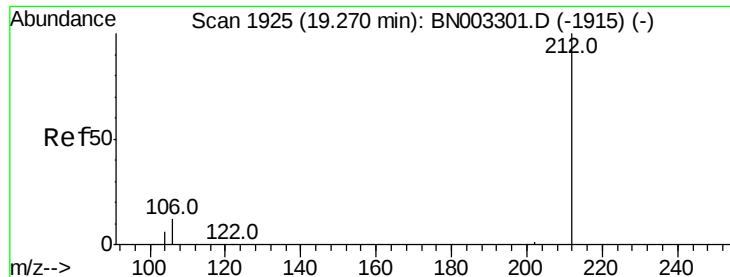


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.253 ng

RT: 19.26 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

Instrument :

BNA_N

ClientSampleId :

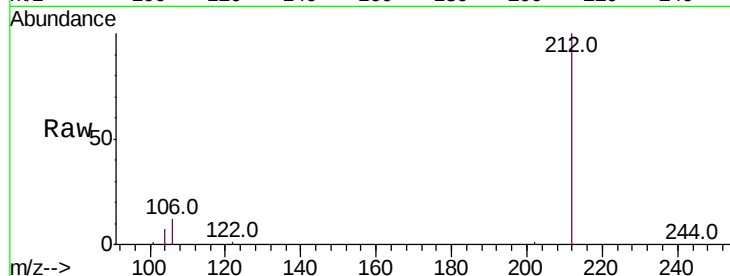
Tot Ion:212 Resp: 66133

Ion Ratio Lower Upper

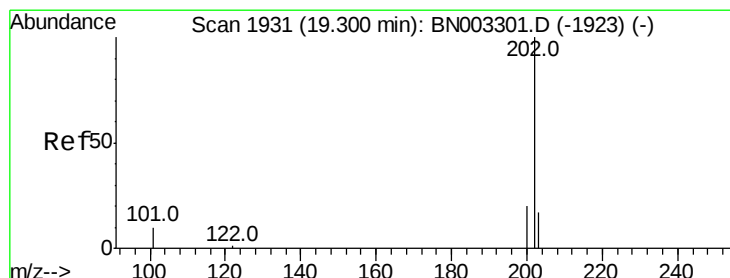
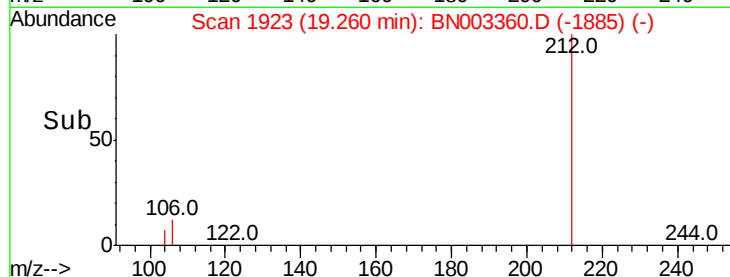
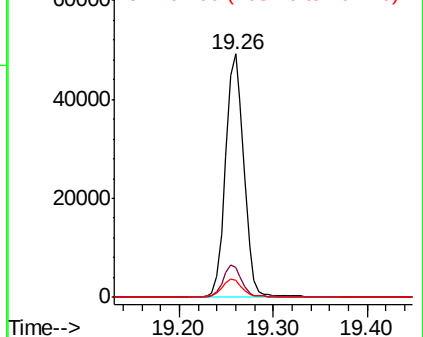
212 100

106 12.9 10.3 15.5

104 7.2 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: 0.280 ng

RT: 19.29 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

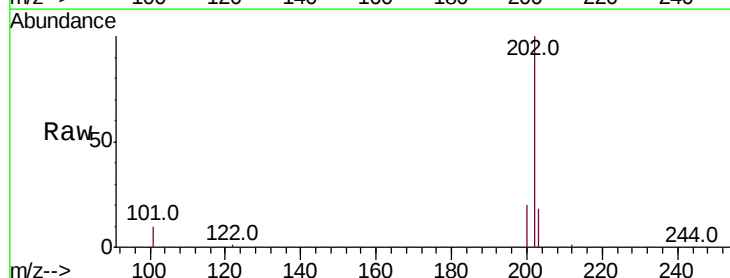
Tgt Ion:202 Resp: 79112

Ion Ratio Lower Upper

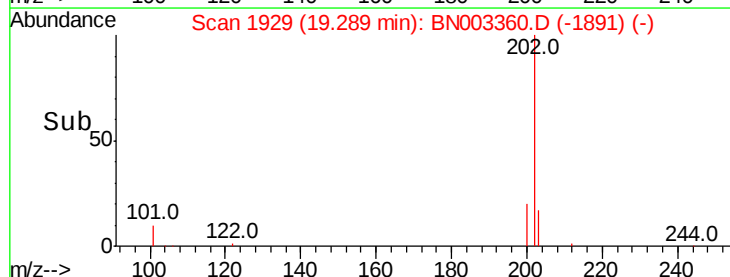
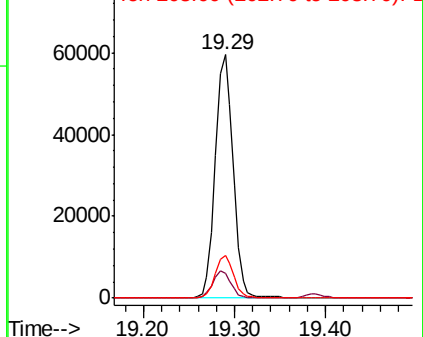
202 100

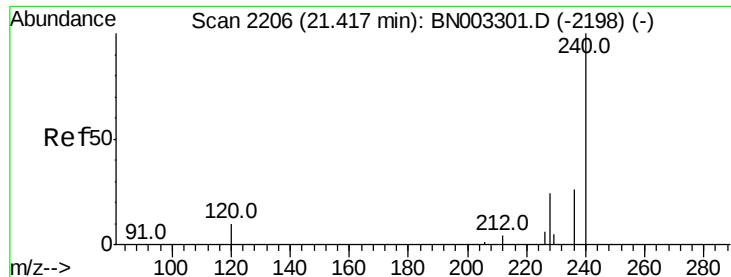
101 11.3 9.0 13.4

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: 21.42 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

Instrument :

BNA_N

ClientSampleId :

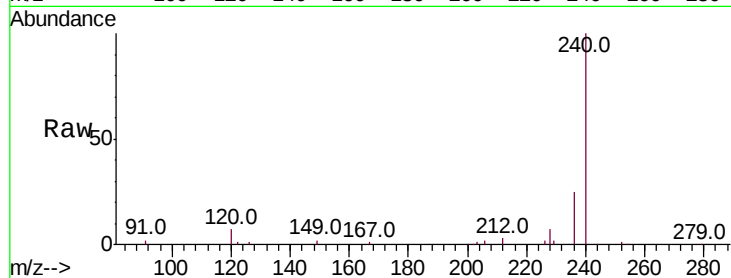
Tot Ion:240 Resp: 68911

Ion Ratio Lower Upper

240 100

120 6.7 9.3 13.9#

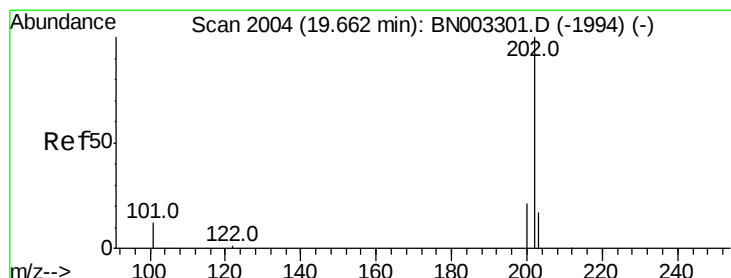
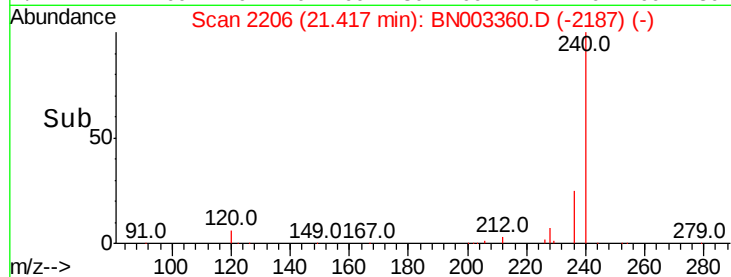
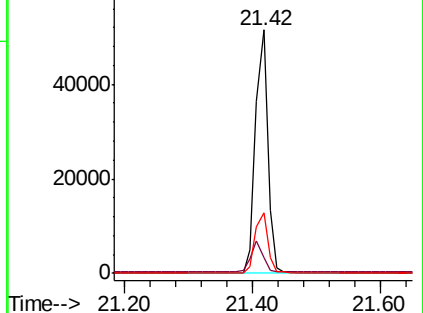
236 25.1 21.0 31.4



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: 0.411 ng

RT: 19.65 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

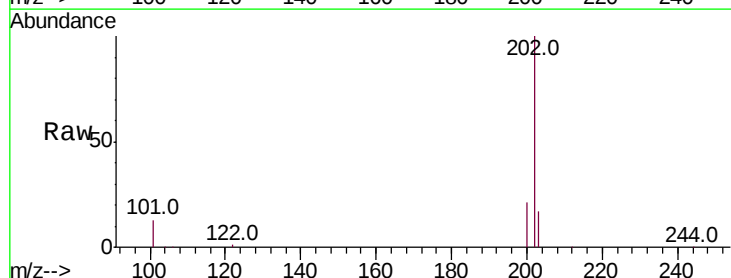
Tgt Ion:202 Resp: 78241

Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

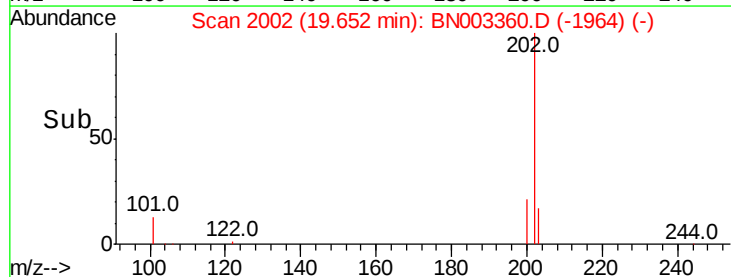
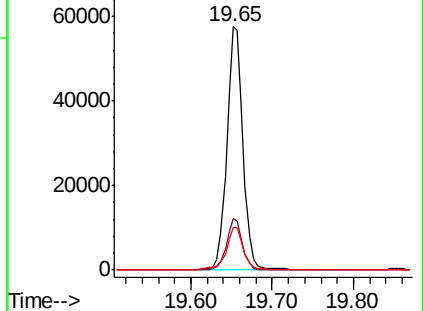
203 18.0 13.9 20.9

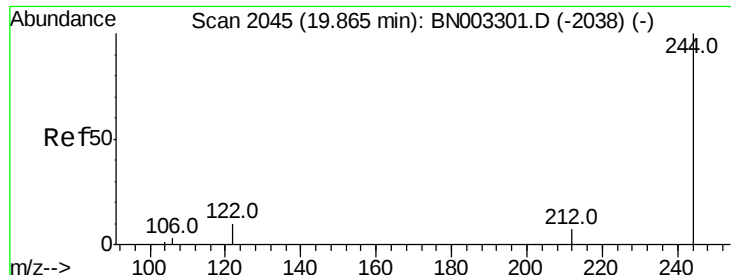


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.419 ng

RT: 19.86 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

Instrument :

BNA_N

ClientSampled :

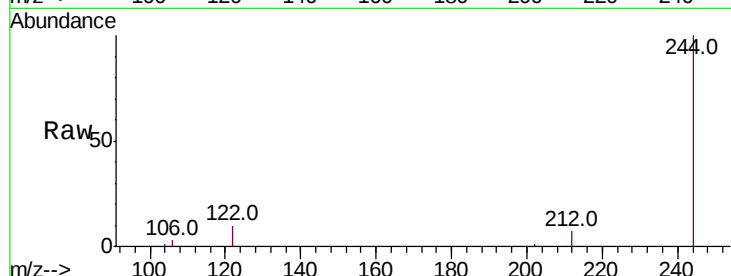
Tot Ion:244 Resp: 67200

Ion Ratio Lower Upper

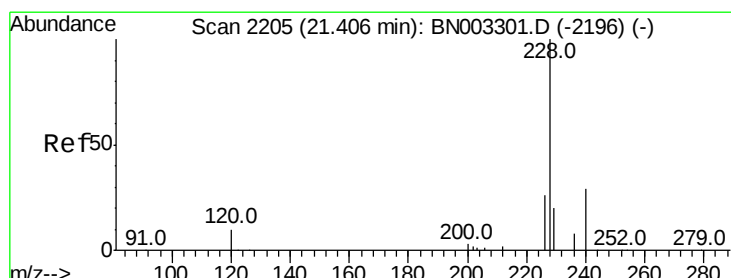
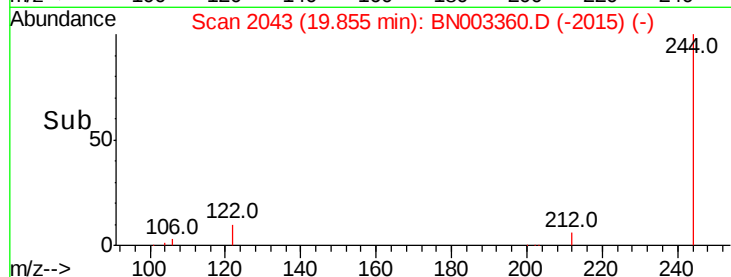
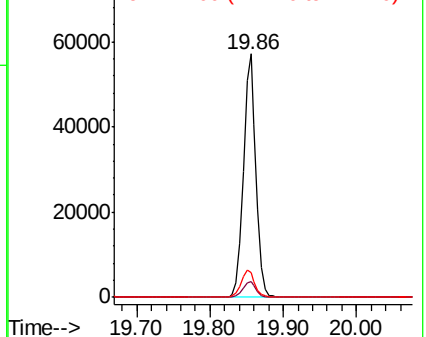
244 100

212 6.6 5.6 8.4

122 10.2 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: 0.351 ng

RT: 21.40 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

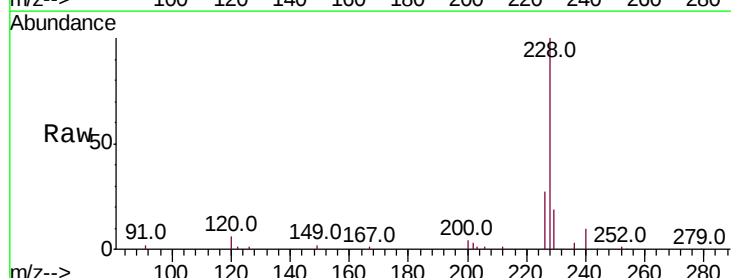
Tgt Ion:228 Resp: 63436

Ion Ratio Lower Upper

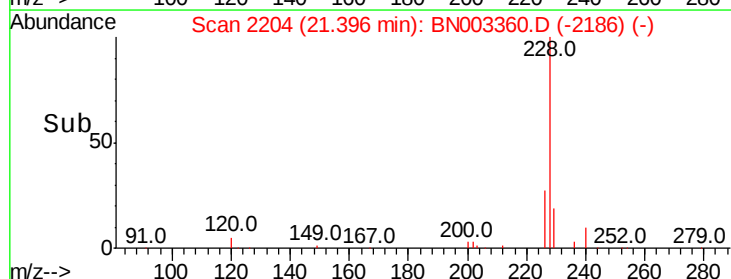
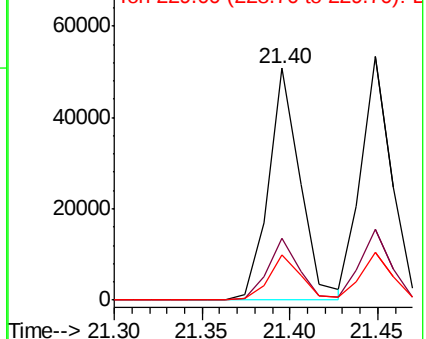
228 100

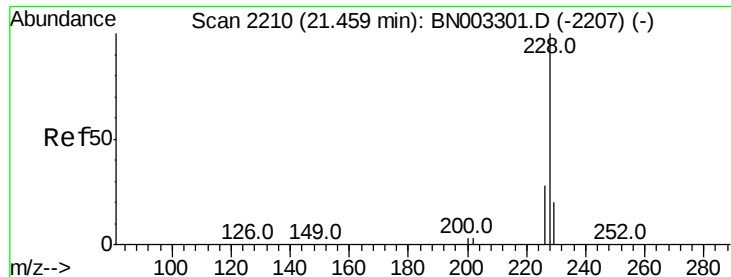
226 26.8 20.8 31.2

229 19.3 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: 0.331 ng

RT: 21.45 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

Instrument :

BNA_N

ClientSampleId :

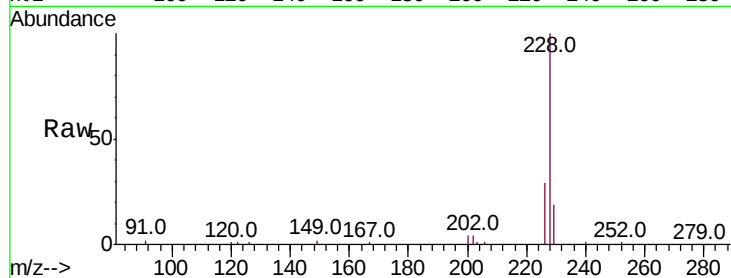
Tot Ion:228 Resp: 64391

Ion Ratio Lower Upper

228 100

226 29.3 22.7 34.1

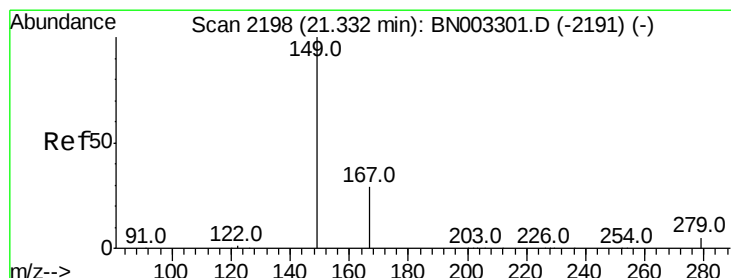
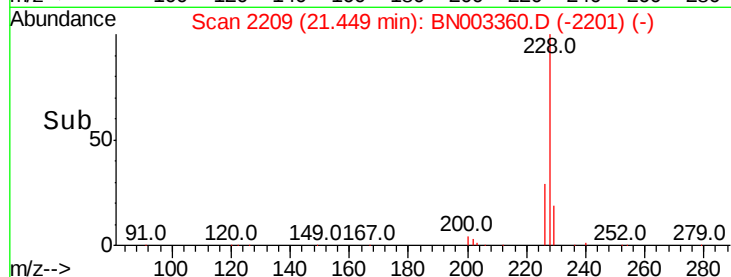
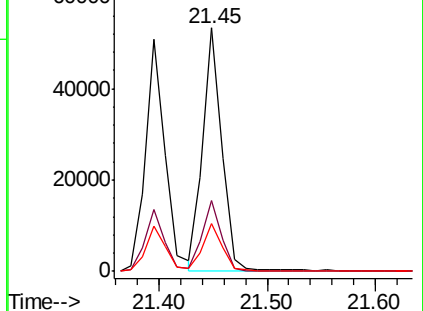
229 19.5 16.0 24.0



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: 0.409 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

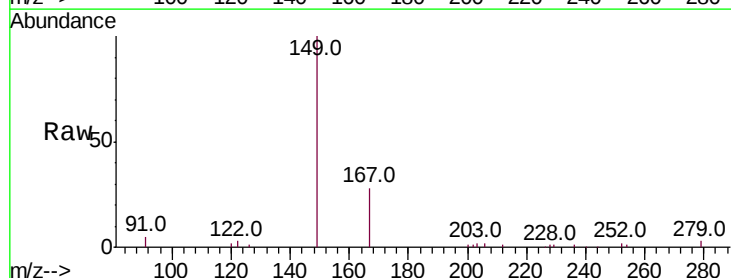
Tgt Ion:149 Resp: 21850

Ion Ratio Lower Upper

149 100

167 27.9 22.4 33.6

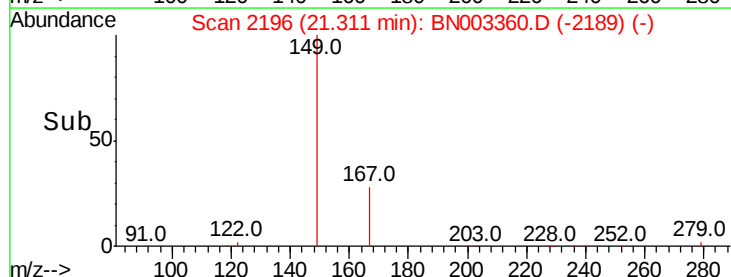
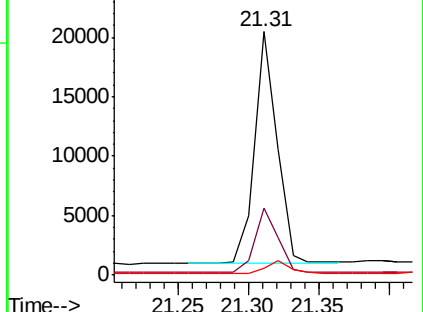
279 5.0 3.9 5.9

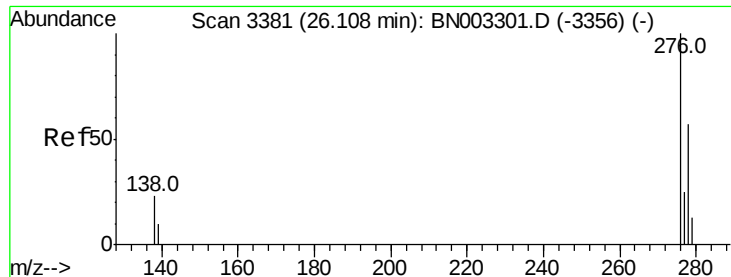


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.346 ng

RT: 26.09 min Scan# 3375

Delta R.T. -0.02 min

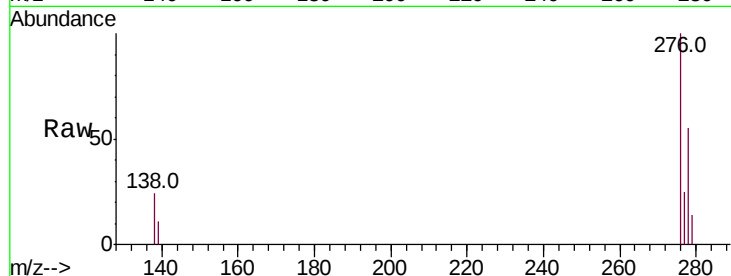
Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

Instrument :

BNA_N

ClientSampleId :



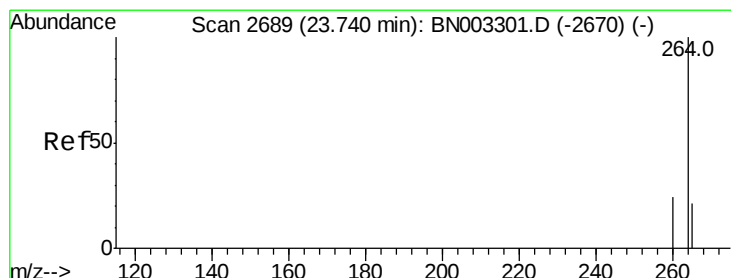
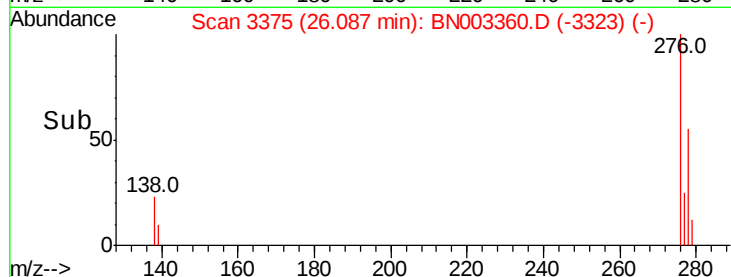
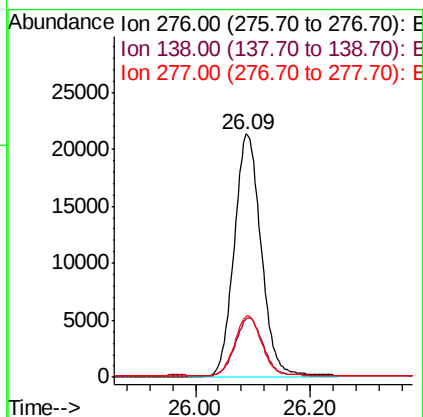
Tot Ion:276 Resp: 69711

Ion Ratio Lower Upper

276 100

138 24.3 20.6 30.8

277 25.0 20.0 30.0



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.73 min Scan# 2686

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

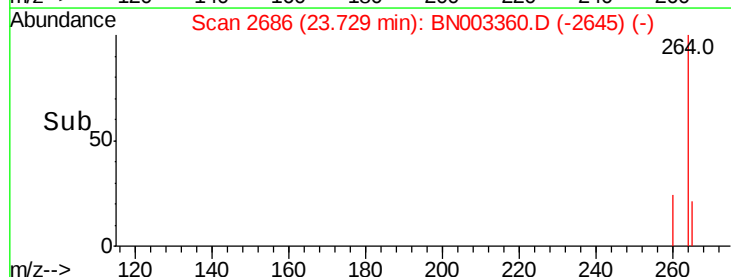
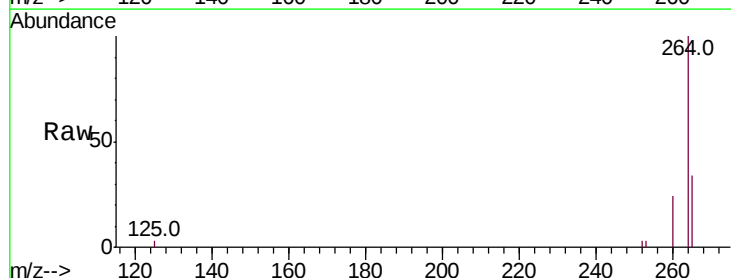
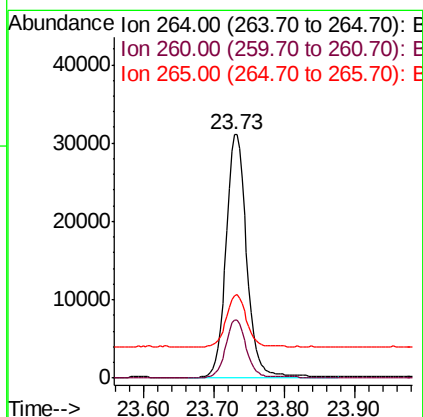
Tgt Ion:264 Resp: 62722

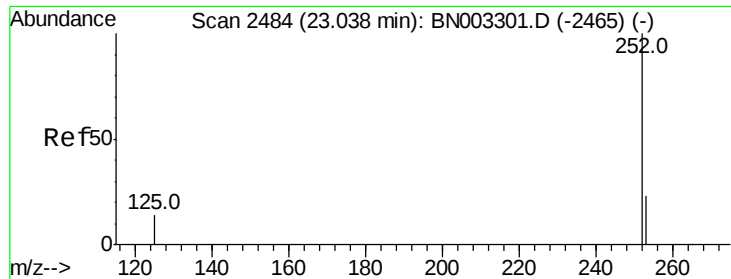
Ion Ratio Lower Upper

264 100

260 23.9 19.1 28.7

265 34.1 26.4 39.6





#35

Benzo(b)fluoranthene

Concen: 0.347 ng

RT: 23.03 min Scan# 2481

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

Instrument :

BNA_N

ClientSampleId :

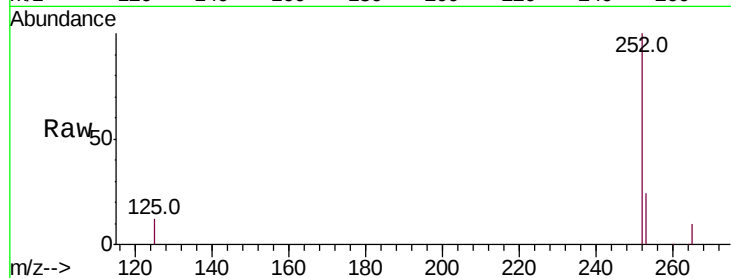
Tot Ion:252 Resp: 67847

Ion Ratio Lower Upper

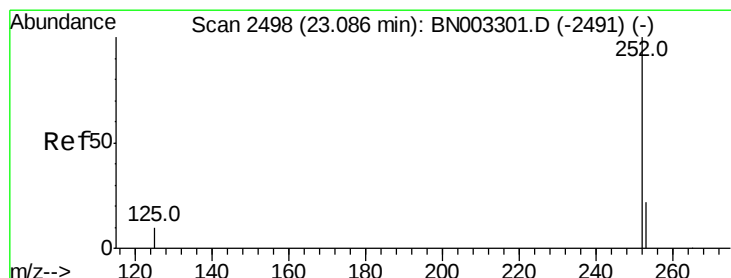
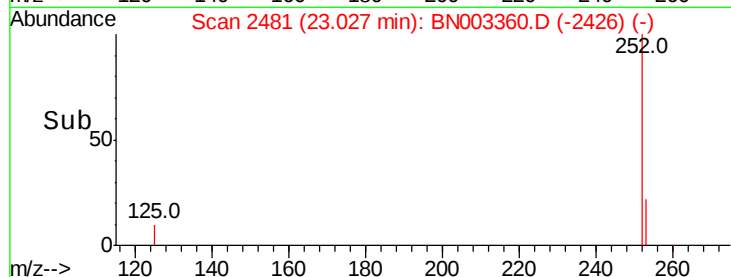
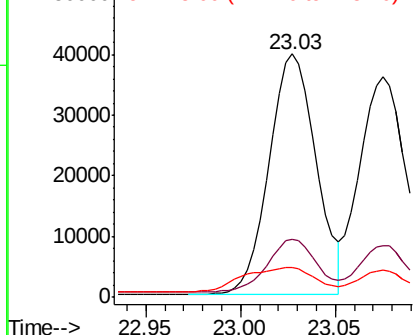
252 100

253 23.9 19.3 28.9

125 12.2 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: 23.08 min Scan# 2495

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

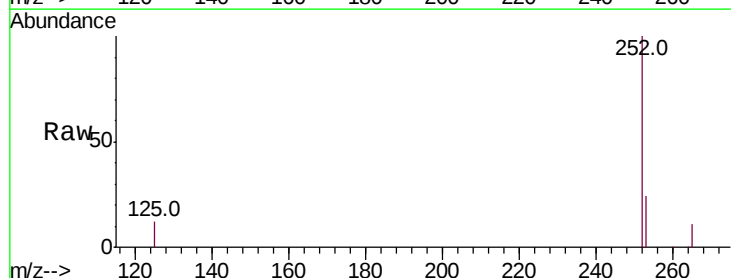
Tgt Ion:252 Resp: 62390

Ion Ratio Lower Upper

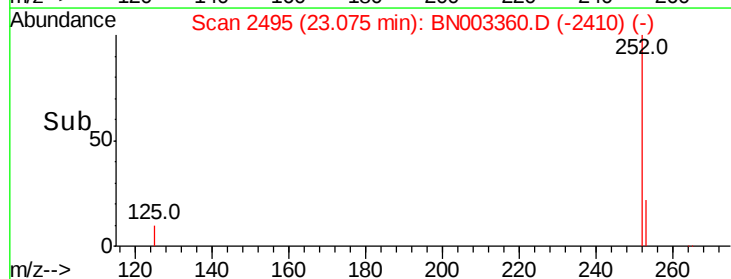
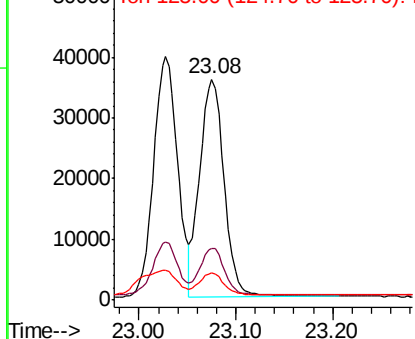
252 100

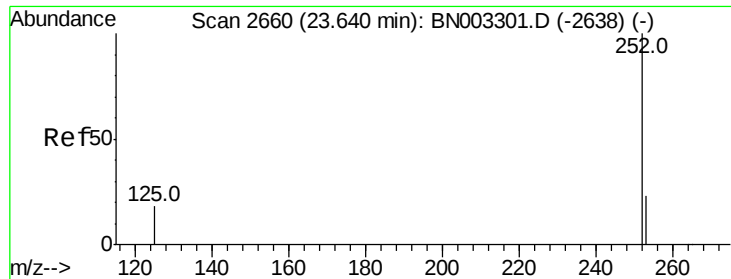
253 23.5 18.5 27.7

125 12.1 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: 0.338 ng

RT: 23.63 min Scan# 2656

Delta R.T. -0.01 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

Instrument :

BNA_N

ClientSampleId :

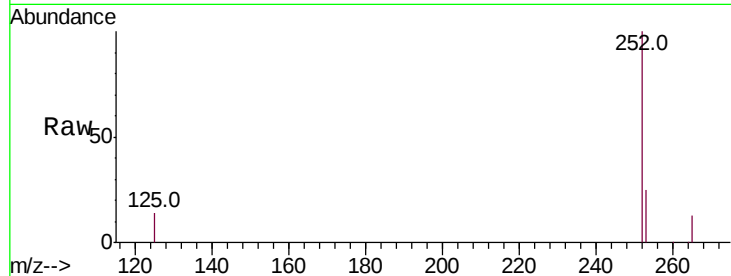
Tot Ion:252 Resp: 60264

Ion Ratio Lower Upper

252 100

253 24.5 20.1 30.1

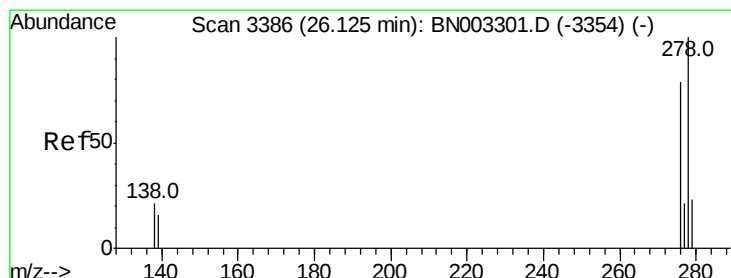
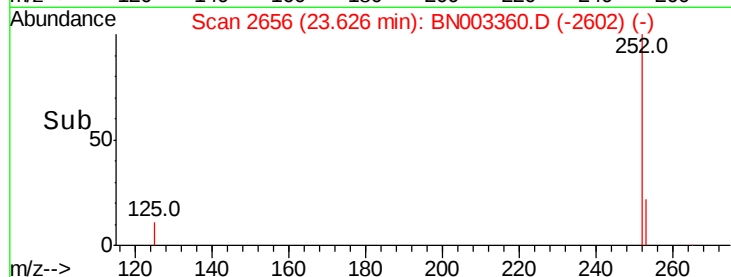
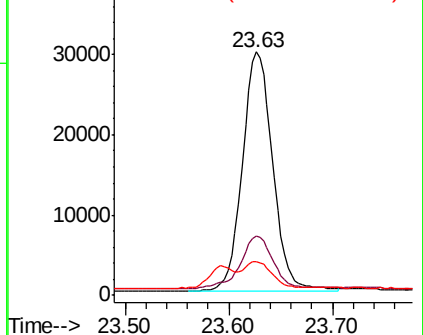
125 13.9 16.0 24.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.352 ng

RT: 26.11 min Scan# 3381

Delta R.T. -0.02 min

Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

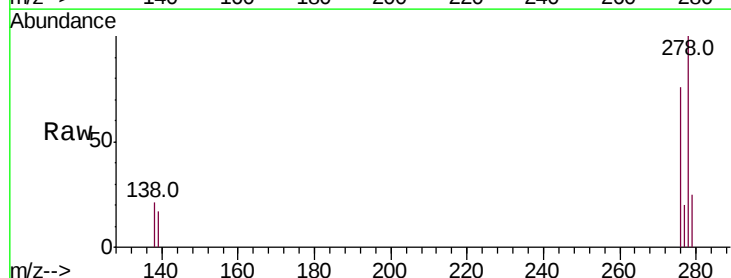
Tgt Ion:278 Resp: 58432

Ion Ratio Lower Upper

278 100

139 16.9 13.5 20.3

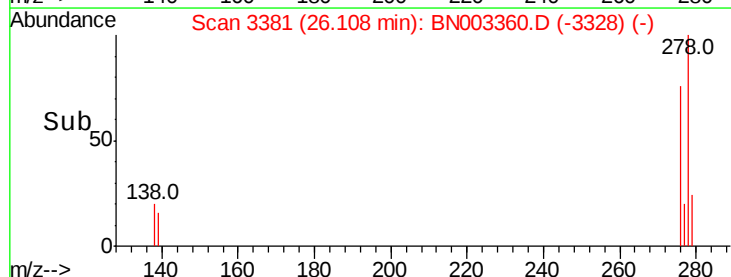
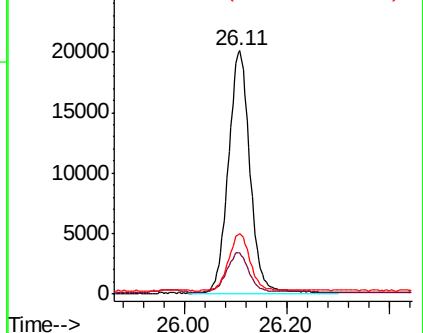
279 24.9 19.8 29.6

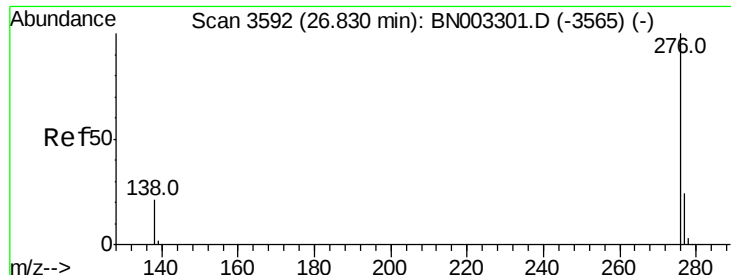


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.363 ng

RT: 26.81 min Scan# 3587

Delta R.T. -0.02 min

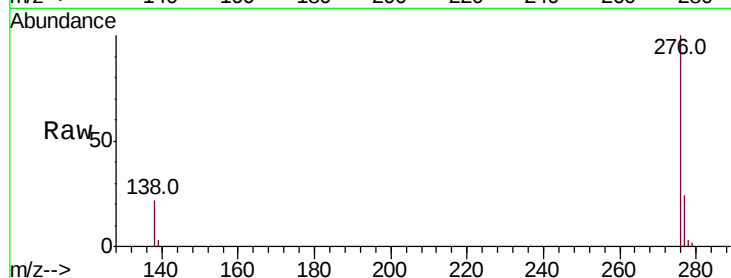
Lab File: BN003360.D

Acq: 30 Oct 2018 16:15

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 60204

Ion Ratio Lower Upper

276 100

277 24.3 19.5 29.3

138 21.8 17.4 26.2

Abundance Ion 276.00 (275.70 to 276.70): E
 25000 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

