

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN103018\
 Data File : BN003357.D
 Acq On : 30 Oct 2018 13:49
 Operator : MJ/SJ
 Sample : PB114259BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 30 18:14:25 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	16897	0.40	ng	0.00
7) Naphthalene-d8	10.66	136	67274	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	36888	0.40	ng	-0.01
19) Phenanthrene-d10	17.23	188	80966	0.40	ng	-0.01
27) Chrysene-d12	21.41	240	53137	0.40	ng	-0.01
34) Perylene-d12	23.73	264	42113	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.42	112	8741	0.21	ng	0.00
5) Phenol-d6	7.01	99	10404	0.20	ng	0.00
8) Nitrobenzene-d5	9.02	82	7362	0.25	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	20502	0.19	ng	-0.01
14) 2,4,6-Tribromophenol	15.98	330	2247	0.15	ng	0.00
15) 2-Fluorobiphenyl	13.11	172	31178	0.20	ng	-0.02
25) Fluoranthene-d10	19.26	212	34755	0.15	ng	-0.01
29) Terphenyl-d14	19.86	244	29664	0.24	ng	-0.01

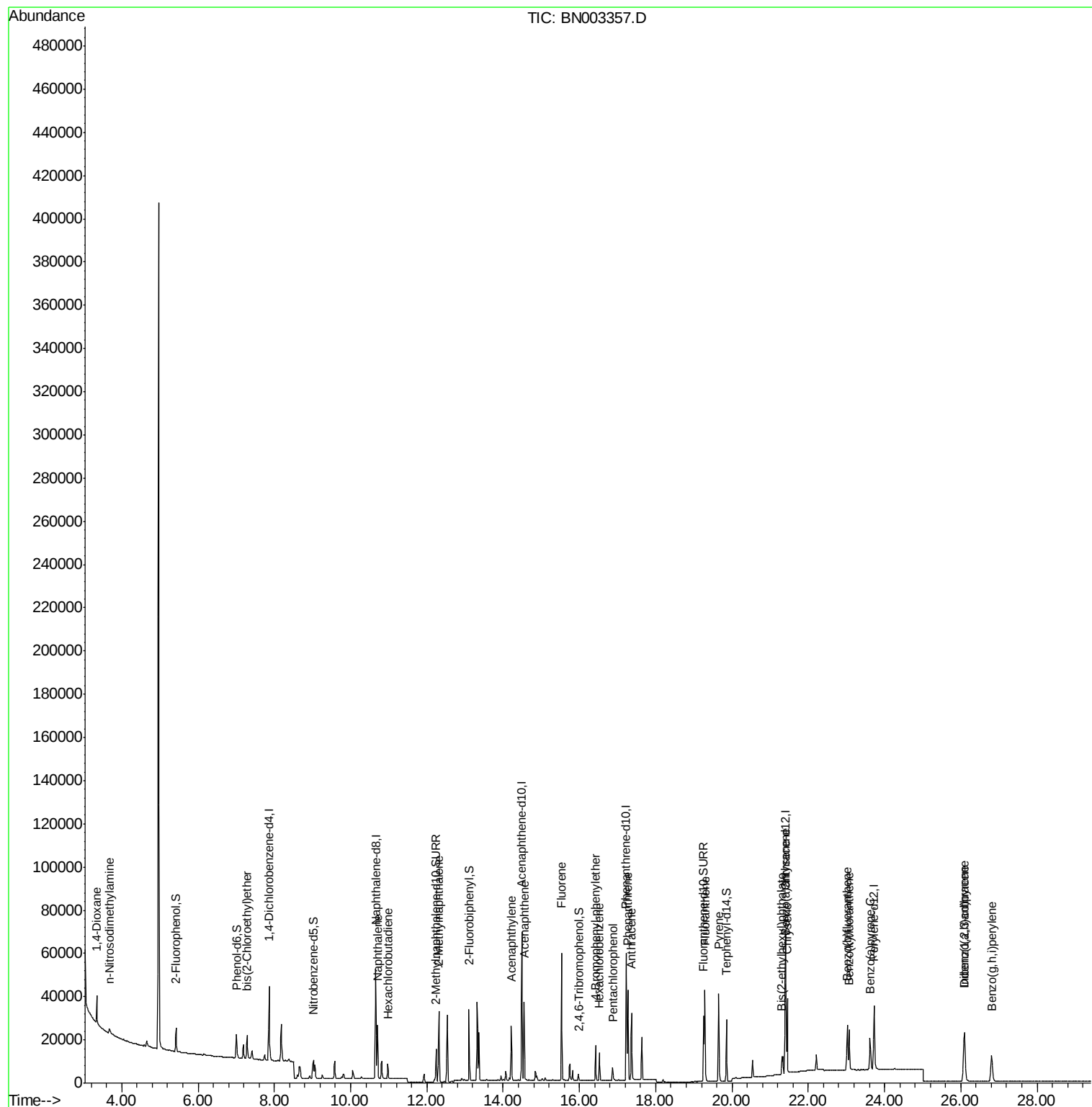
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	7391	0.338	ng	# 80
3) n-Nitrosodimethylamine	3.67	42	2324	0.231	ng	# 89
6) bis(2-Chloroethyl)ether	7.28	93	8919	0.189	ng	99
9) Naphthalene	10.71	128	32626	0.198	ng	100
10) Hexachlorobutadiene	10.97	225	5378	0.179	ng	# 99
12) 2-Methylnaphthalene	12.31	142	22625	0.197	ng	98
16) Acenaphthylene	14.21	152	27568	0.168	ng	100
17) Acenaphthene	14.56	154	20359	0.179	ng	99
18) Fluorene	15.54	166	25369	0.178	ng	100
20) 4-Bromophenyl-phenylether	16.42	248	8531	0.182	ng	# 73
21) Hexachlorobenzene	16.53	284	9168	0.185	ng	99
22) Pentachlorophenol	16.88	266	3286	0.245	ng	97
23) Phenanthrene	17.27	178	41535	0.187	ng	100
24) Anthracene	17.37	178	32585	0.171	ng	100
26) Fluoranthene	19.29	202	36979	0.145	ng	100
28) Pyrene	19.65	202	35466	0.241	ng	100
30) Benzo(a)anthracene	21.40	228	24535	0.176	ng	100
31) Chrysene	21.45	228	29177	0.194	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	6732	0.163	ng	99
33) Indeno(1,2,3-cd)pyrene	26.08	276	29059	0.187	ng	98
35) Benzo(b)fluoranthene	23.02	252	26838	0.204	ng	97
36) Benzo(k)fluoranthene	23.07	252	24587	0.189	ng	# 93
37) Benzo(a)pyrene	23.62	252	22380	0.187	ng	96
38) Dibenzo(a,h)anthracene	26.10	278	24145	0.217	ng	97
39) Benzo(g,h,i)perylene	26.81	276	26410	0.237	ng	100

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

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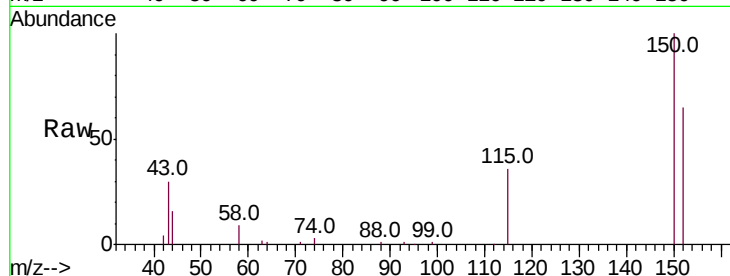


#1

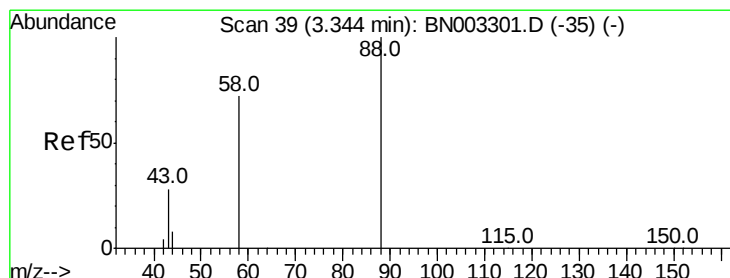
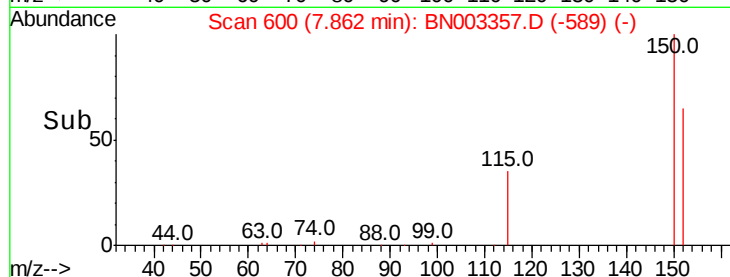
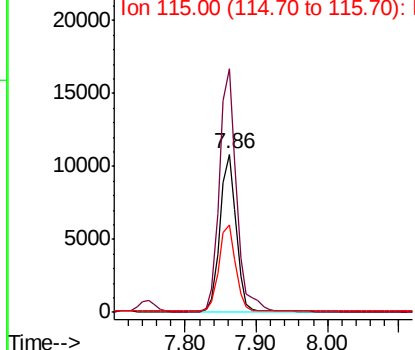
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 600
Delta R.T. -0.01 min
Lab File: BN003357.D
Acq: 30 Oct 2018 13:49

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 16897
Ion Ratio Lower Upper
152 100
150 154.0 124.6 187.0
115 55.3 46.4 69.6



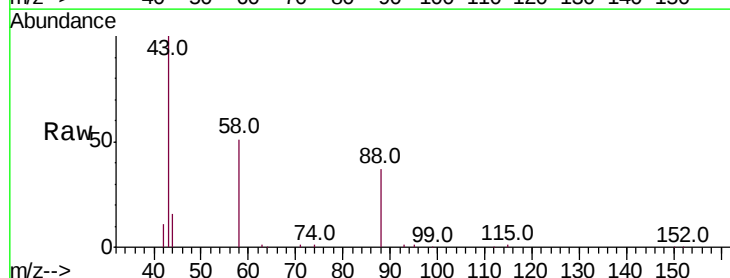
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



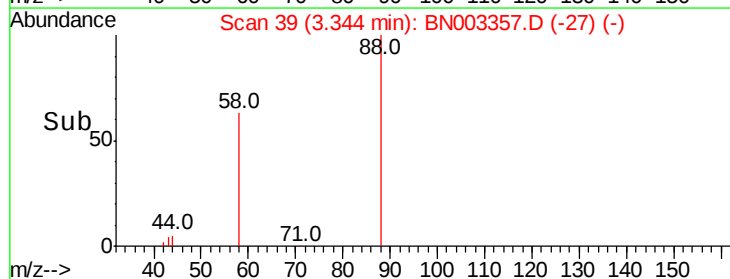
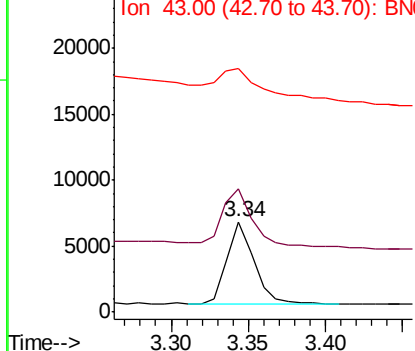
#2

1,4-Dioxane
Concen: 0.338 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.00 min
Lab File: BN003357.D
Acq: 30 Oct 2018 13:49

Tgt Ion: 88 Resp: 7391
Ion Ratio Lower Upper
88 100
58 80.3 60.9 91.3
43 62.1 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



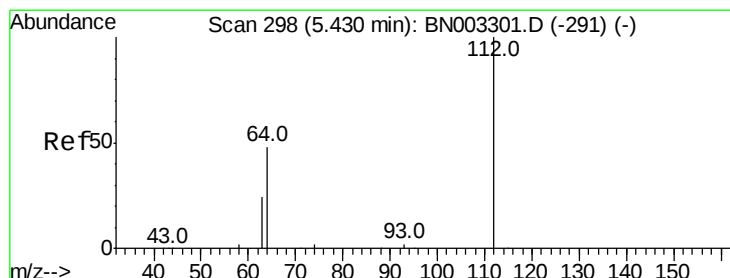
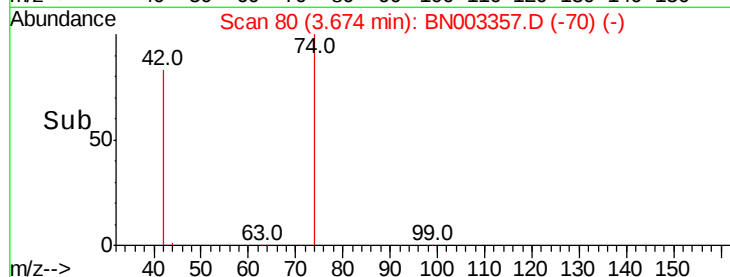
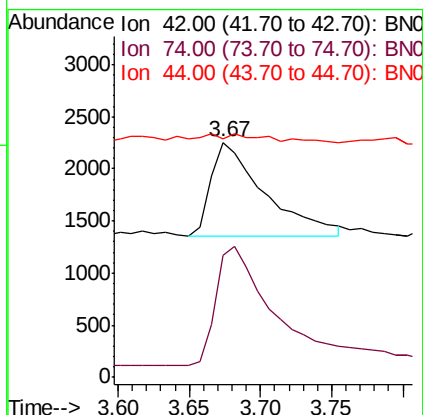
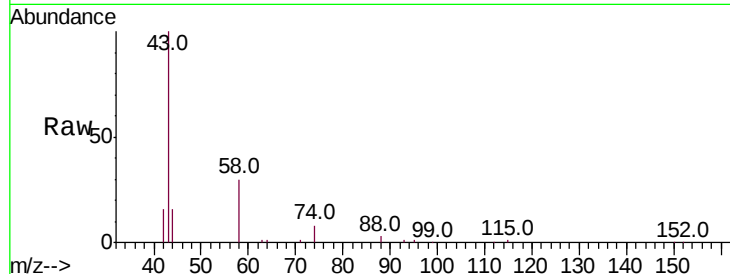


#3

n-Nitrosodimethylamine
 Concen: 0.231 ng
 RT: 3.67 min Scan# 80
 Delta R.T. -0.02 min
 Lab File: BN003357.D
 Acq: 30 Oct 2018 13:49

Instrument :
 BNA_N
 ClientSampled :

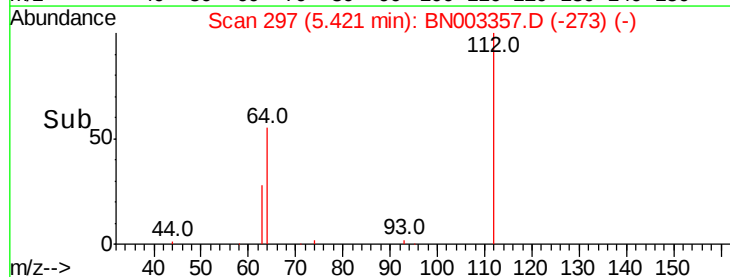
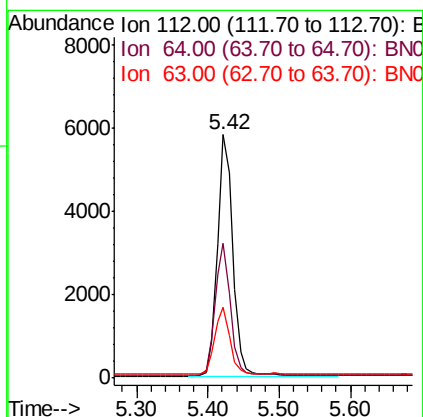
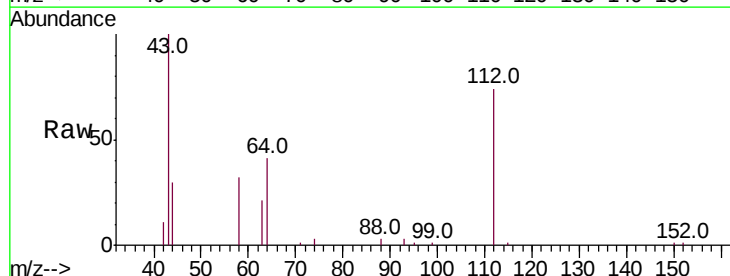
Tot Ion: 42 Resp: 2324
 Ion Ratio Lower Upper
 42 100
 74 136.3 99.1 148.7
 44 3.4 4.2 6.4#

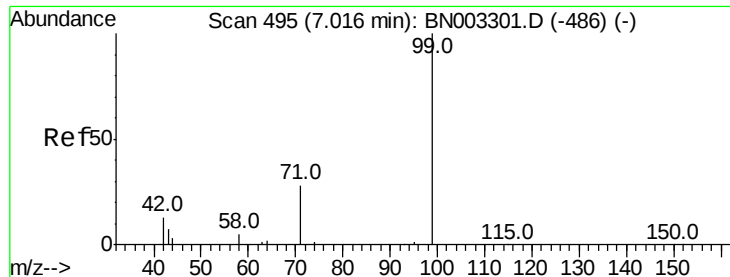


#4

2-Fluorophenol
 Concen: 0.209 ng
 RT: 5.42 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: BN003357.D
 Acq: 30 Oct 2018 13:49

Tgt Ion: 112 Resp: 8741
 Ion Ratio Lower Upper
 112 100
 64 54.1 44.3 66.5
 63 26.7 22.4 33.6





#5

Phenol-d6

Concen: 0.197 ng

RT: 7.01 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

Instrument :

BNA_N

ClientSampleId :

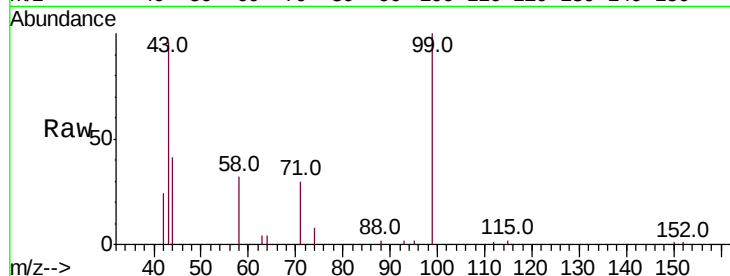
Tot Ion: 99 Resp: 10404

Ion Ratio Lower Upper

99 100

42 18.3 14.8 22.2

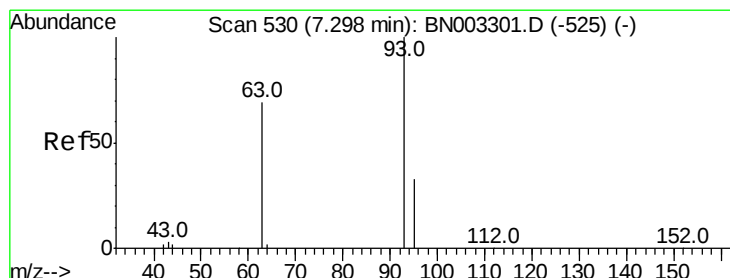
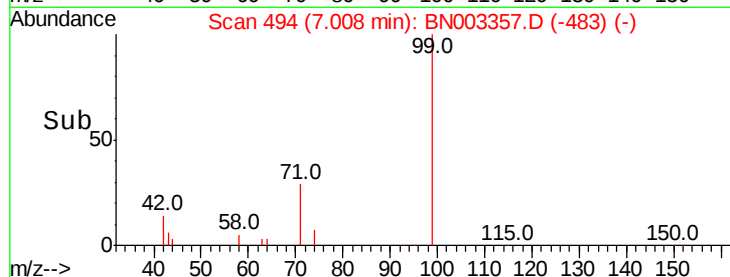
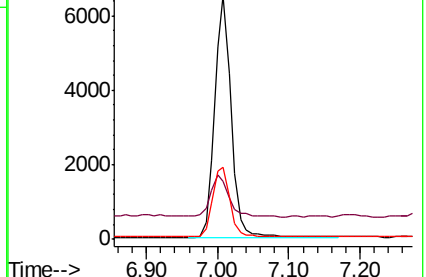
71 30.5 24.8 37.2



Abundance Ion 99.00 (98.70 to 99.70): BN003301.D (-486) (-)

Ion 42.00 (41.70 to 42.70): BN003301.D (-486) (-)

Ion 71.00 (70.70 to 71.70): BN003301.D (-486) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.189 ng

RT: 7.28 min Scan# 528

Delta R.T. -0.02 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

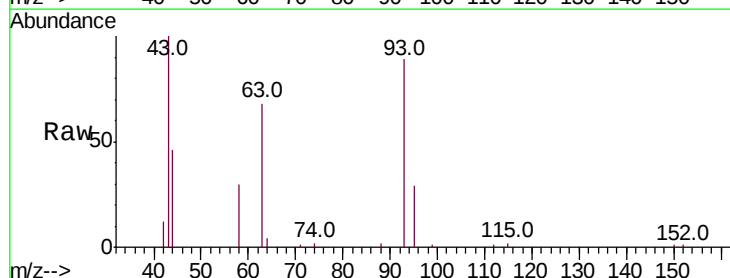
Tgt Ion: 93 Resp: 8919

Ion Ratio Lower Upper

93 100

63 70.8 55.8 83.6

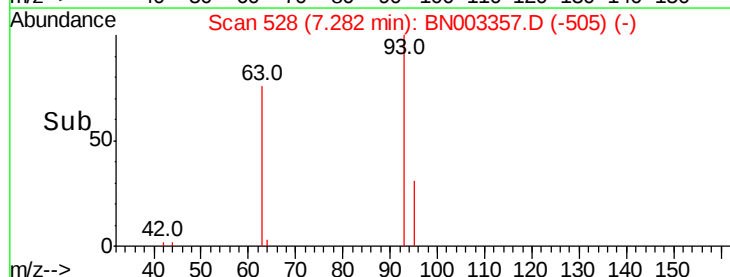
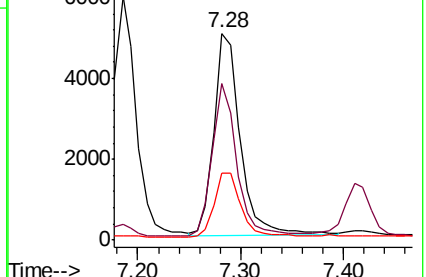
95 32.3 25.4 38.2

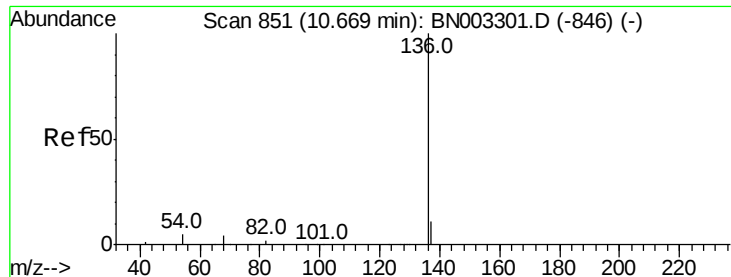


Abundance Ion 93.00 (92.70 to 93.70): BN003301.D (-525) (-)

Ion 63.00 (62.70 to 63.70): BN003301.D (-525) (-)

Ion 95.00 (94.70 to 95.70): BN003301.D (-525) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.66 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 67274

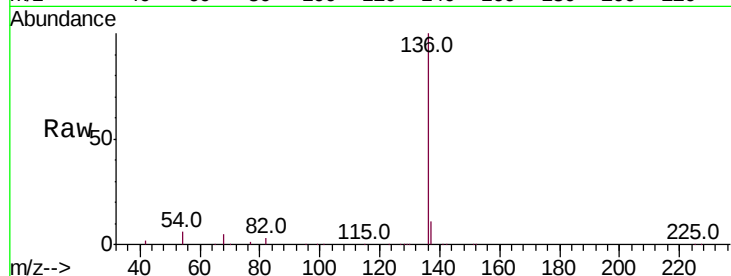
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 5.6 4.1 6.1

68 4.8 3.5 5.3

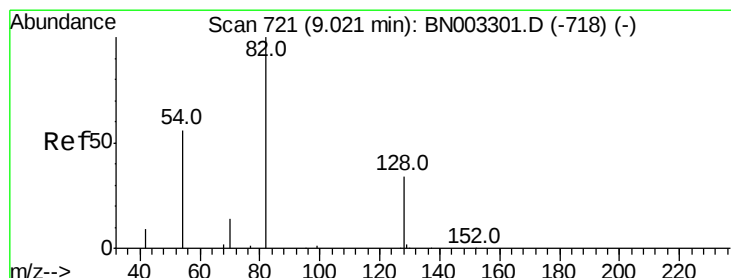
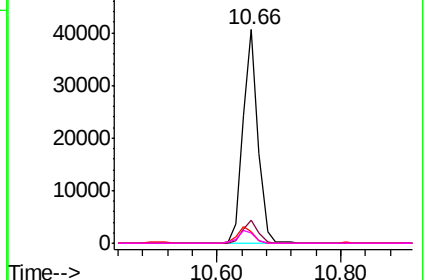
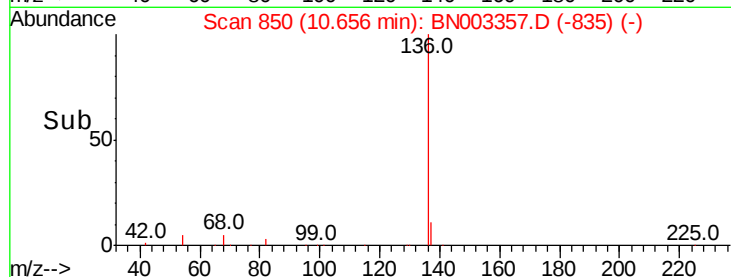


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.250 ng

RT: 9.02 min Scan# 721

Delta R.T. -0.00 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

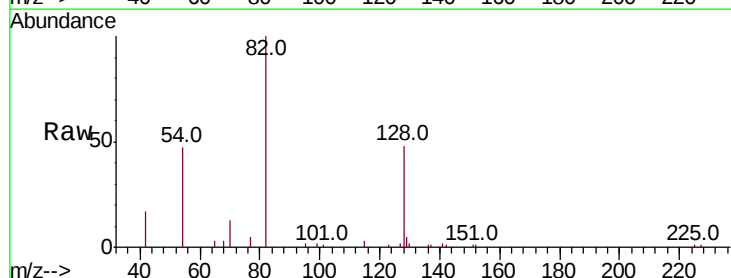
Tgt Ion: 82 Resp: 7362

Ion Ratio Lower Upper

82 100

128 48.5 28.9 43.3#

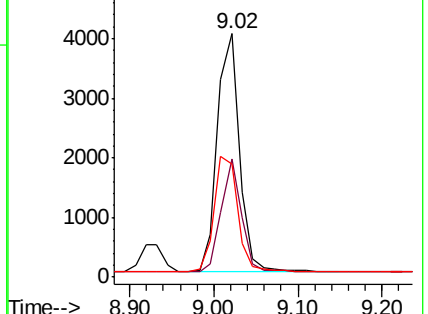
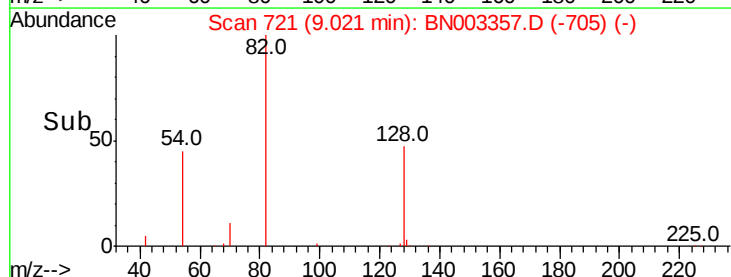
54 46.6 46.1 69.1

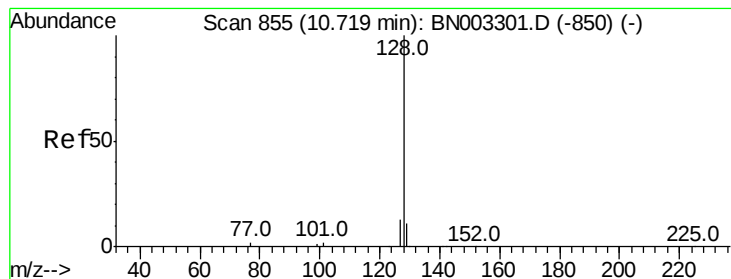


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.198 ng

RT: 10.71 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

Instrument :

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ClientSampleId :

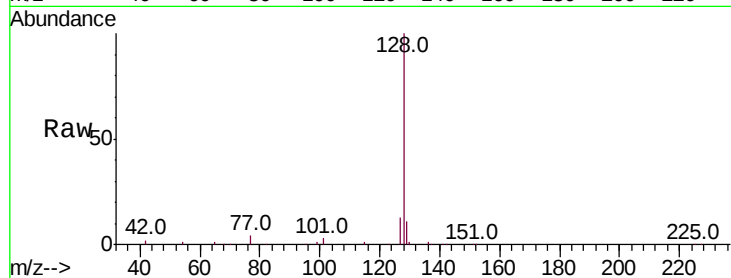
Tot Ion:128 Resp: 32626

Ion Ratio Lower Upper

128 100

129 11.4 9.1 13.7

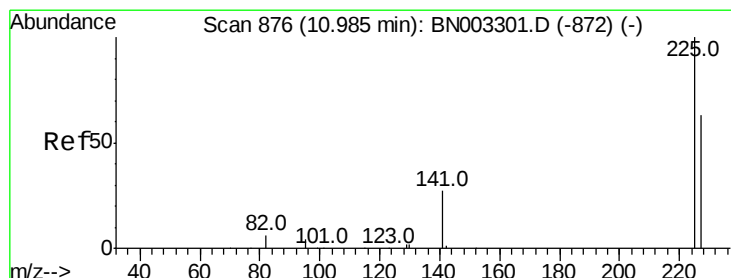
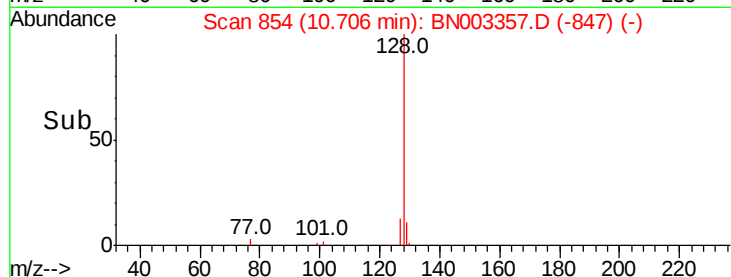
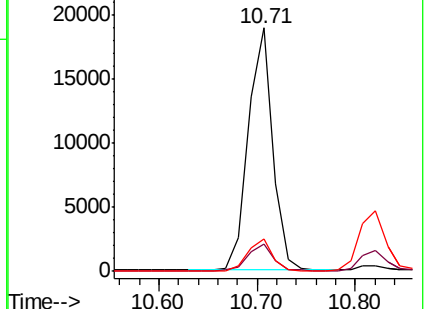
127 13.1 10.2 15.4



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: 0.179 ng

RT: 10.97 min Scan# 875

Delta R.T. -0.01 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

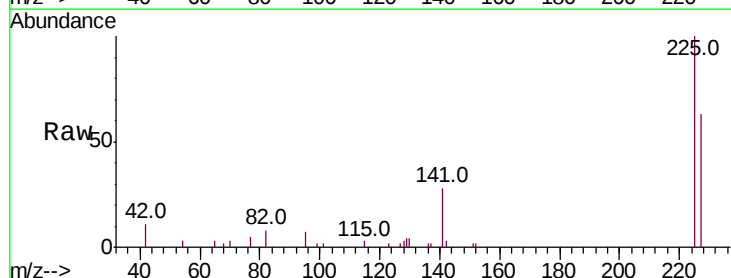
Tgt Ion:225 Resp: 5378

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

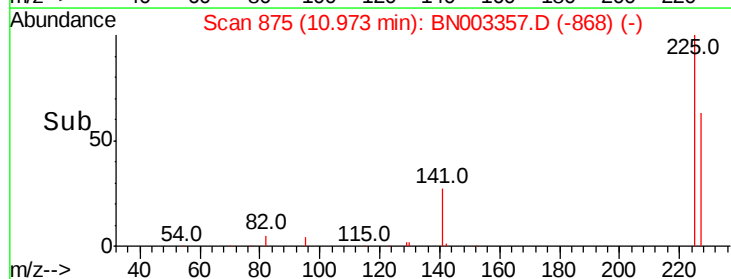
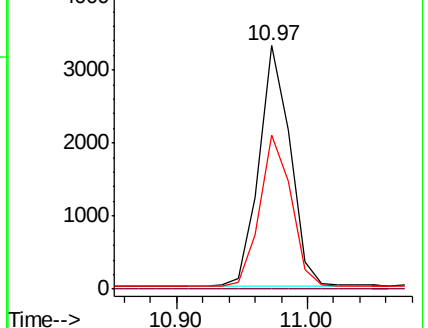
227 63.6 51.3 76.9

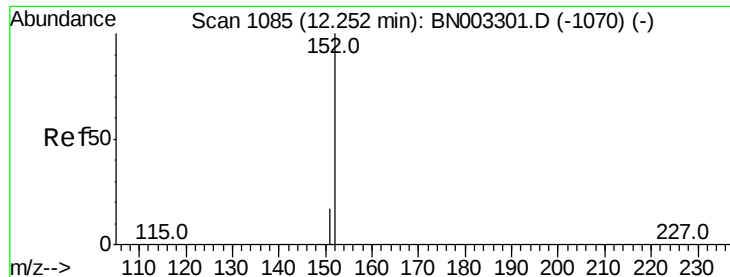


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

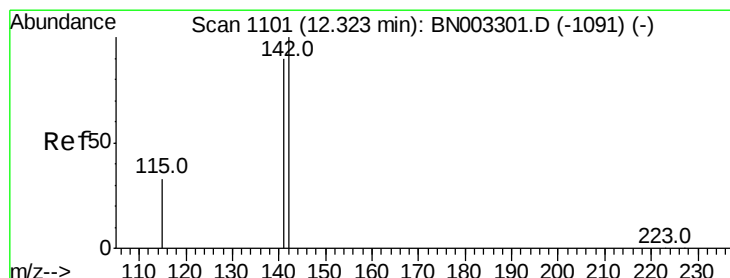
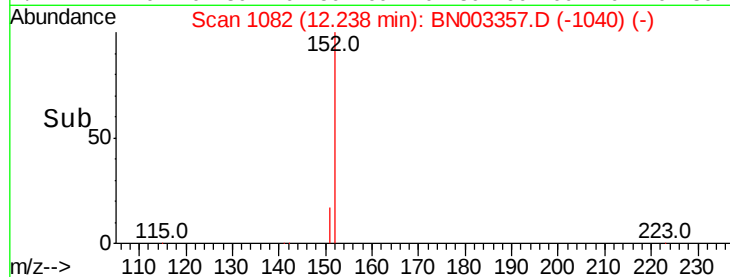
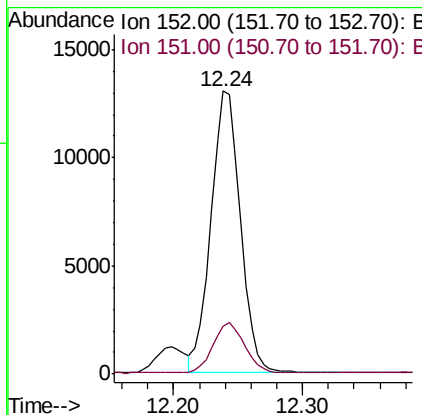
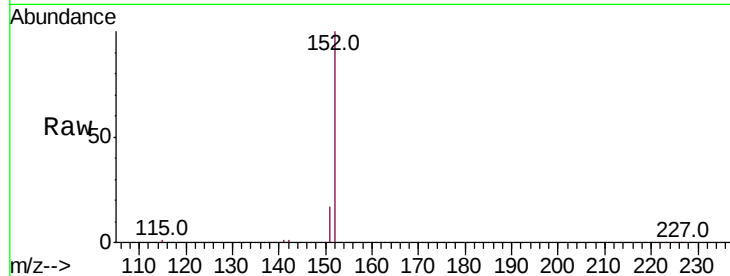




#11
 2-Methylnaphthalene-d10
 Concen: 0.187 ng
 RT: 12.24 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: BN003357.D
 Acq: 30 Oct 2018 13:49

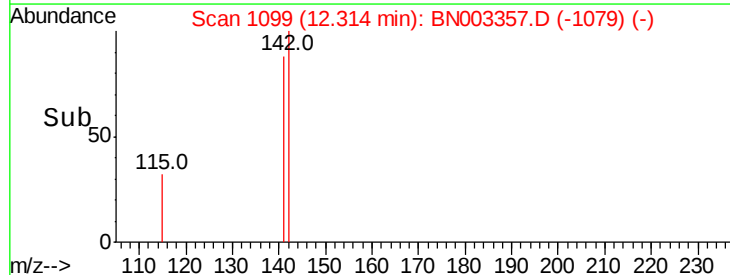
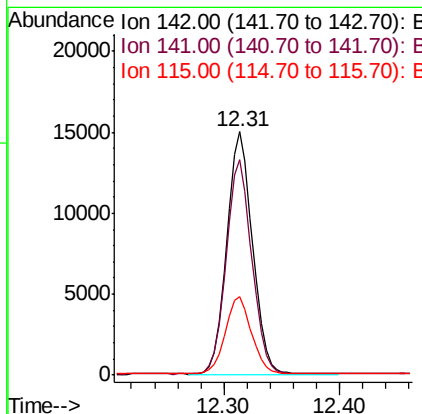
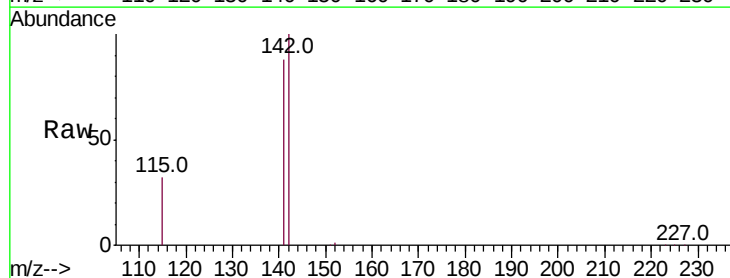
Instrument :
 BNA_N
 ClientSampleId :

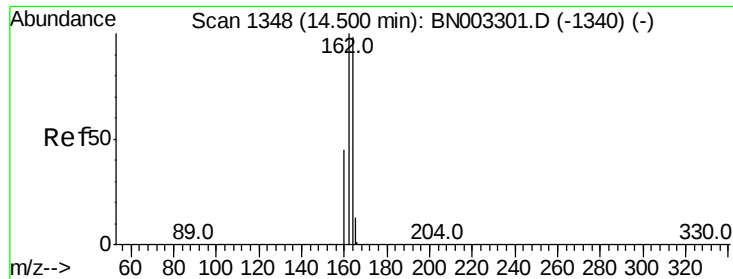
Tot Ion:152 Resp: 20502
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 0.197 ng
 RT: 12.31 min Scan# 1099
 Delta R.T. -0.01 min
 Lab File: BN003357.D
 Acq: 30 Oct 2018 13:49

Tgt Ion:142 Resp: 22625
 Ion Ratio Lower Upper
 142 100
 141 88.3 71.9 107.9
 115 32.2 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: BN003357.D

Acq: 30 Oct 2018 13:49

Instrument :

BNA_N

ClientSampleId :

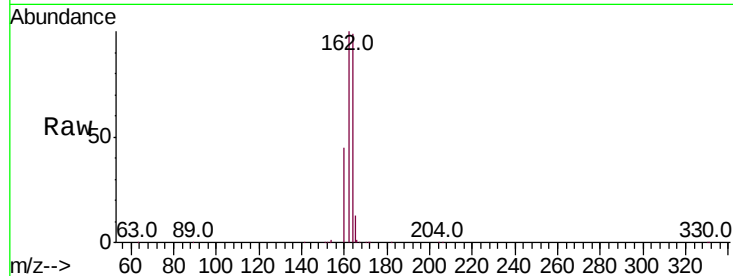
Tot Ion:164 Resp: 36888

Ion Ratio Lower Upper

164 100

162 101.3 81.8 122.6

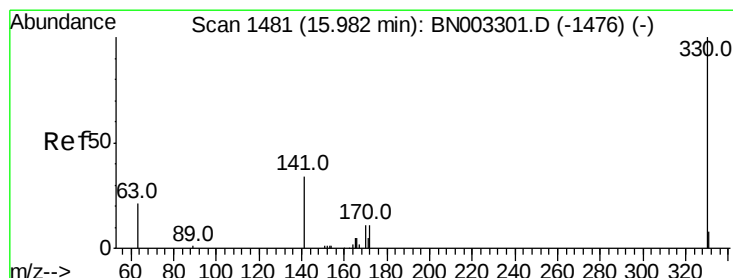
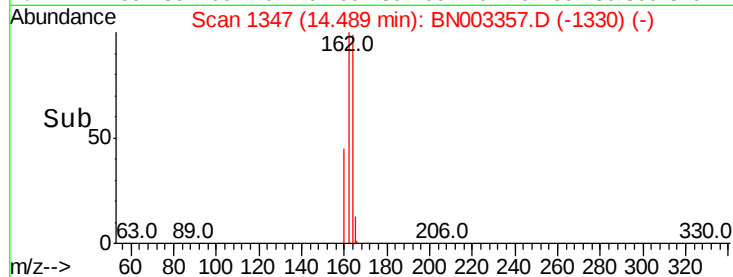
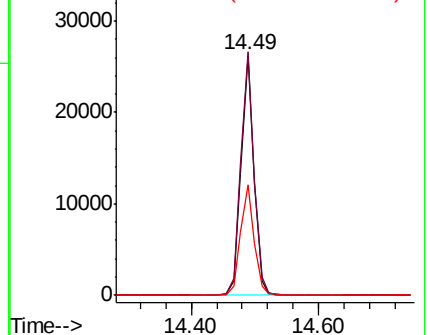
160 46.1 37.2 55.8



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: 0.153 ng

RT: 15.98 min Scan# 1481

Delta R.T. -0.00 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

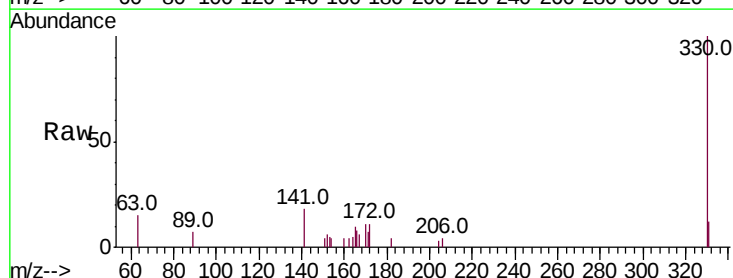
Tgt Ion:330 Resp: 2247

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

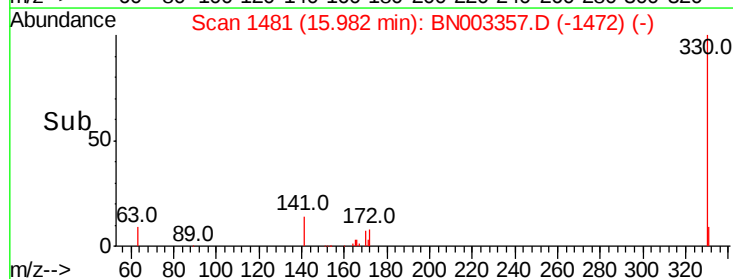
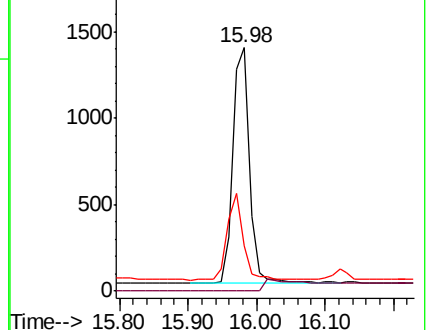
141 36.0 28.3 42.5

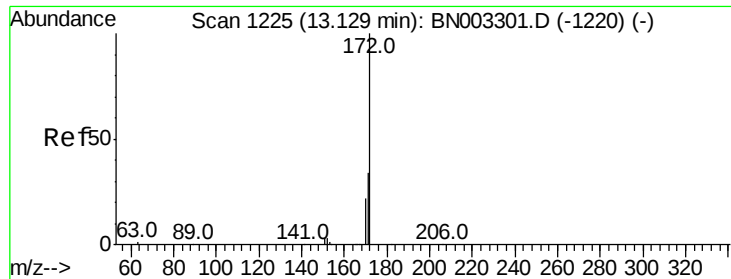


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

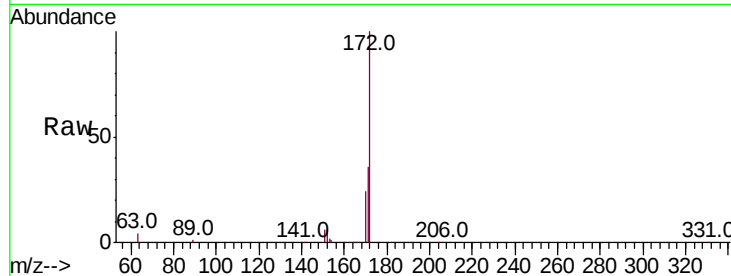




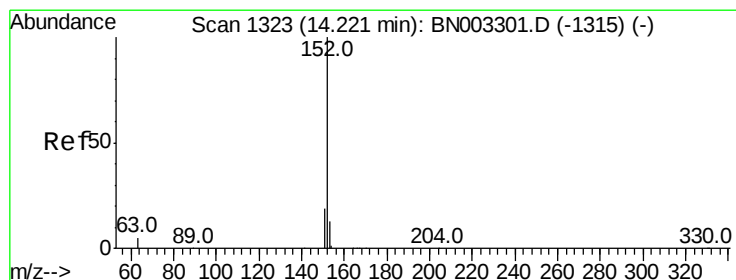
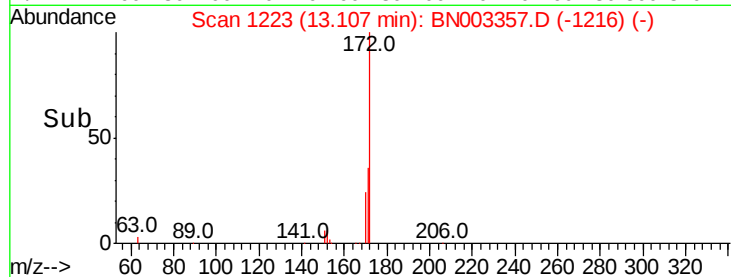
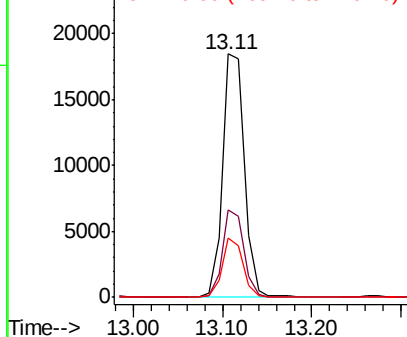
#15
2-Fluorobiphenyl
Concen: 0.196 ng
RT: 13.11 min Scan# 1223
Delta R.T. -0.02 min
Lab File: BN003357.D
Acq: 30 Oct 2018 13:49

Instrument :
BNA_N
ClientSampleId :

Tot Ion:172 Resp: 31178
Ion Ratio Lower Upper
172 100
171 35.9 27.1 40.7
170 24.2 17.4 26.0

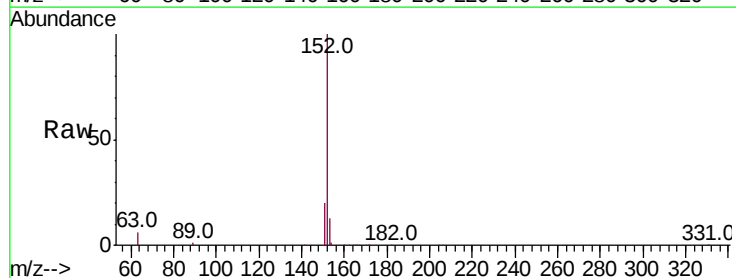


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

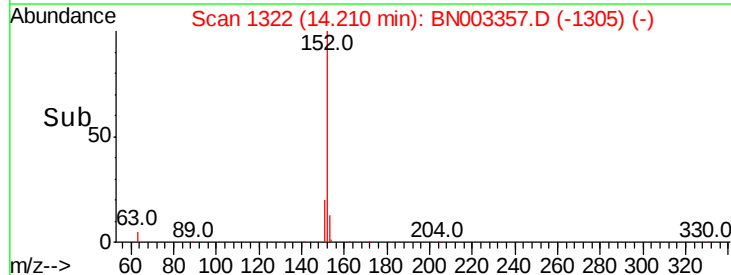
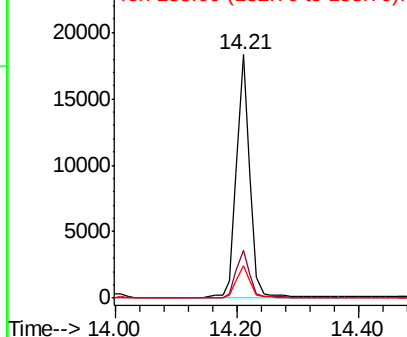


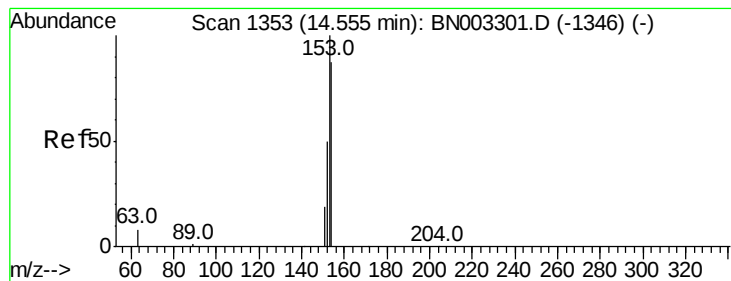
#16
Acenaphthylene
Concen: 0.168 ng
RT: 14.21 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BN003357.D
Acq: 30 Oct 2018 13:49

Tgt Ion:152 Resp: 27568
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.0 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: 0.179 ng

RT: 14.56 min Scan# 1353

Delta R.T. -0.00 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

Instrument :

BNA_N

ClientSampleId :

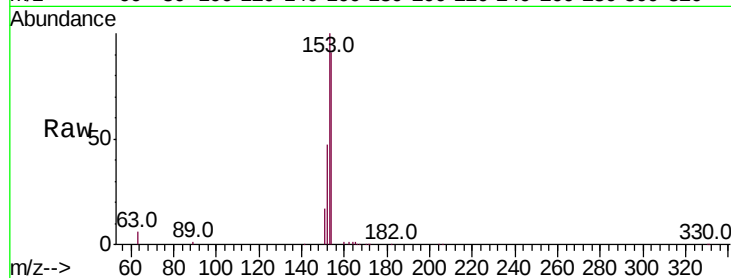
Tot Ion:154 Resp: 20359

Ion Ratio Lower Upper

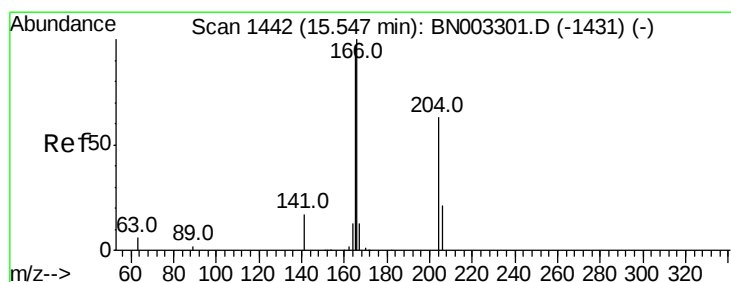
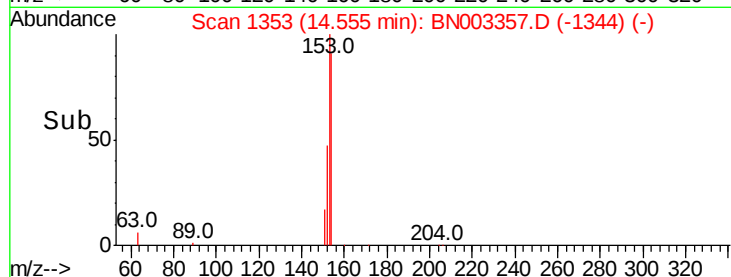
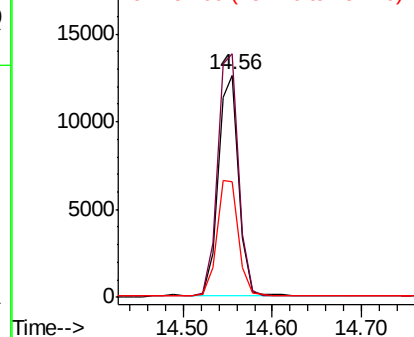
154 100

153 112.3 88.9 133.3

152 55.0 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: 0.178 ng

RT: 15.54 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

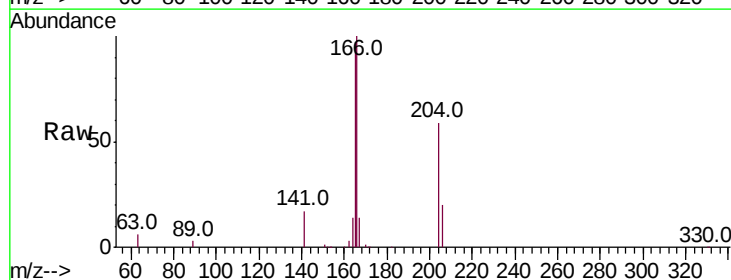
Tgt Ion:166 Resp: 25369

Ion Ratio Lower Upper

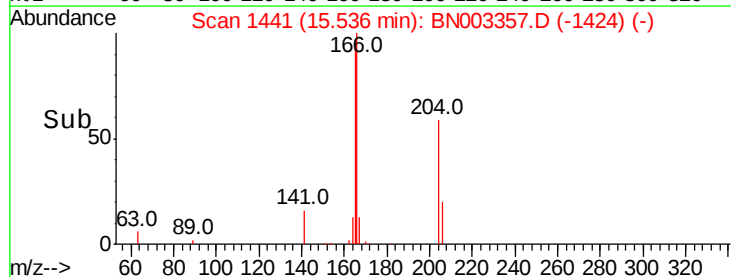
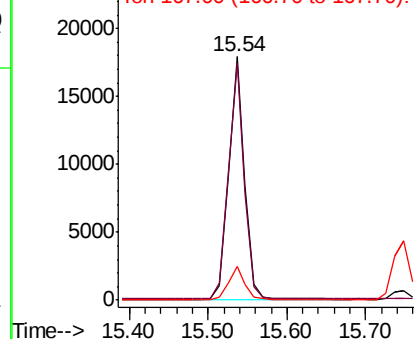
166 100

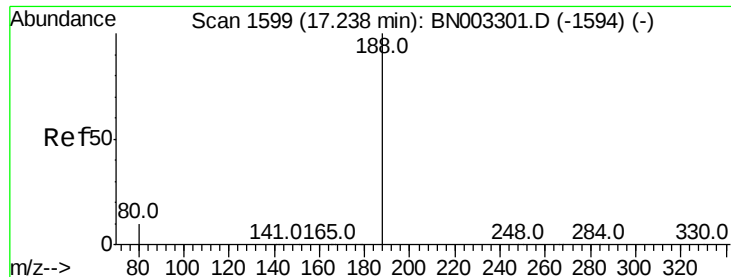
165 97.7 77.8 116.8

167 13.4 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: BN003357.D

Acq: 30 Oct 2018 13:49

Instrument :

BNA_N

ClientSampleId :

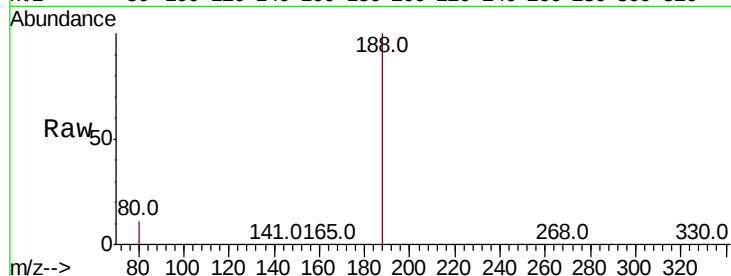
Tot Ion:188 Resp: 80966

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

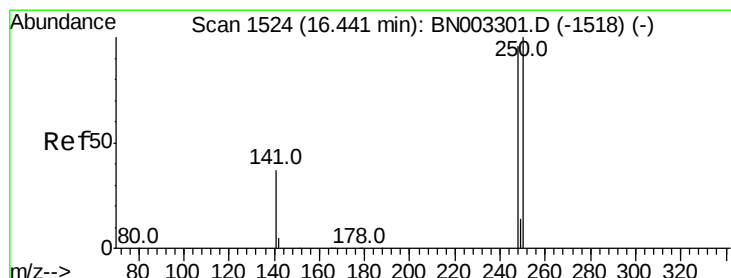
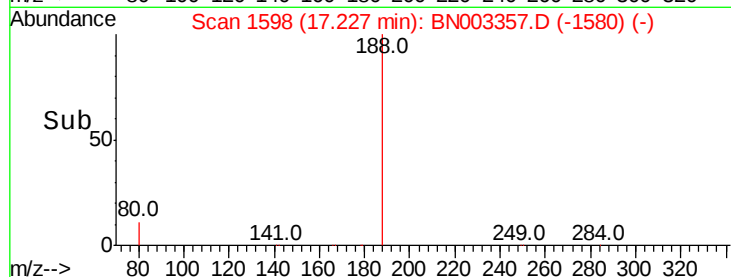
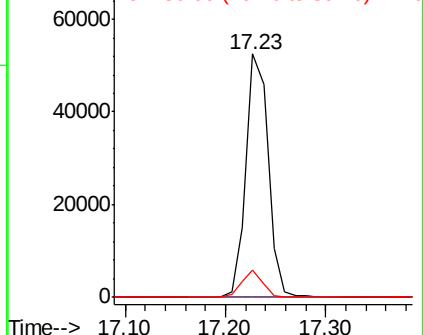
80 11.4 8.6 12.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4-Bromophenyl-phenylether

Concen: 0.182 ng

RT: 16.42 min Scan# 1522

Delta R.T. -0.02 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

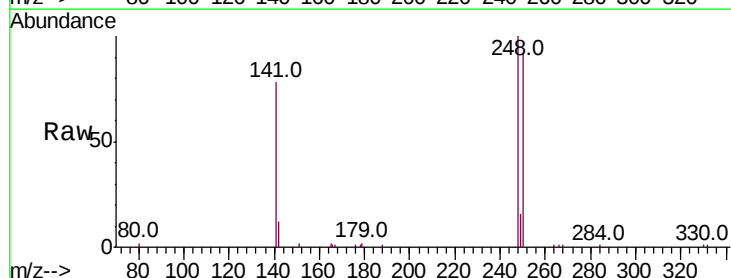
Tgt Ion:248 Resp: 8531

Ion Ratio Lower Upper

248 100

250 91.6 83.7 125.5

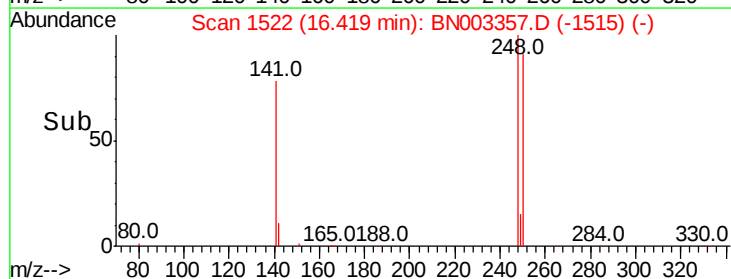
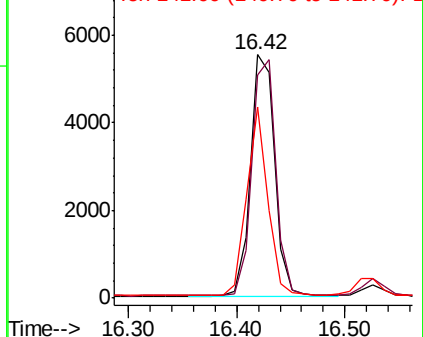
141 78.5 31.4 47.0#

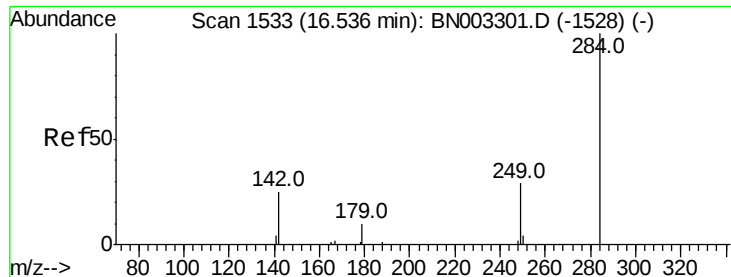


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.185 ng

RT: 16.53 min Scan# 1532

Delta R.T. -0.01 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

Instrument :

BNA_N

ClientSampleId :

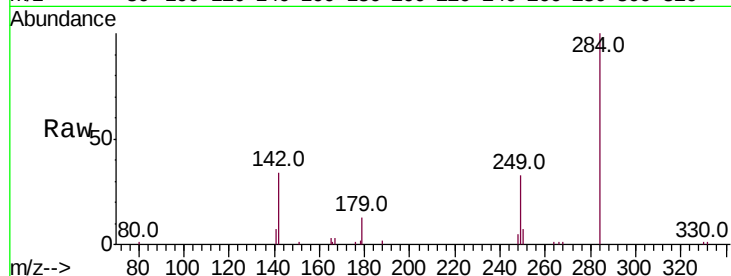
Tot Ion:284 Resp: 9168

Ion Ratio Lower Upper

284 100

142 36.0 29.7 44.5

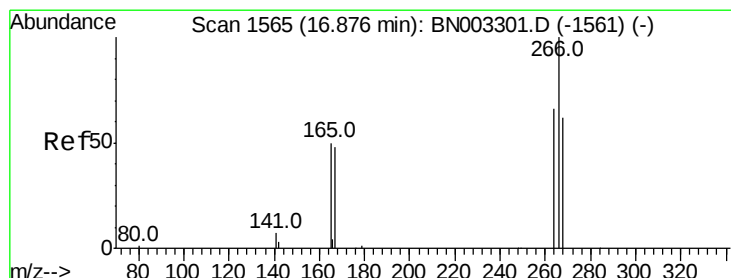
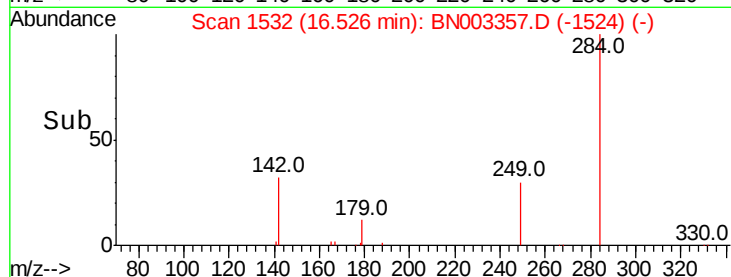
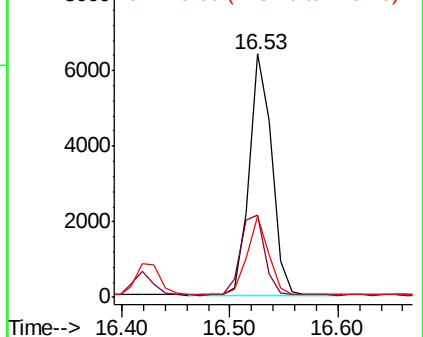
249 30.4 24.0 36.0



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: 0.245 ng

RT: 16.88 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

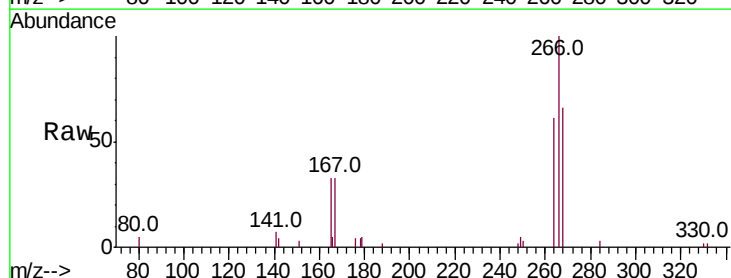
Tgt Ion:266 Resp: 3286

Ion Ratio Lower Upper

266 100

264 61.4 52.1 78.1

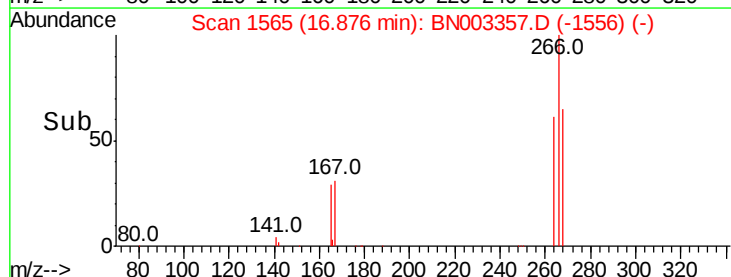
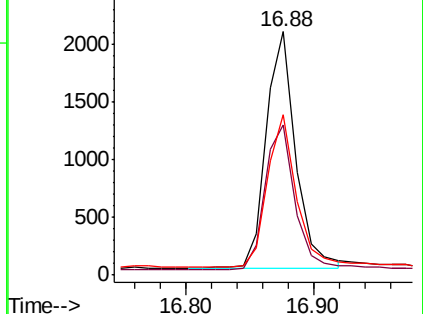
268 66.0 51.8 77.6

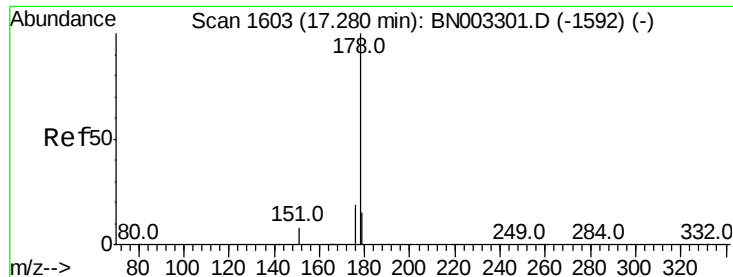


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.187 ng

RT: 17.27 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

Instrument :

BNA_N

ClientSampleId :

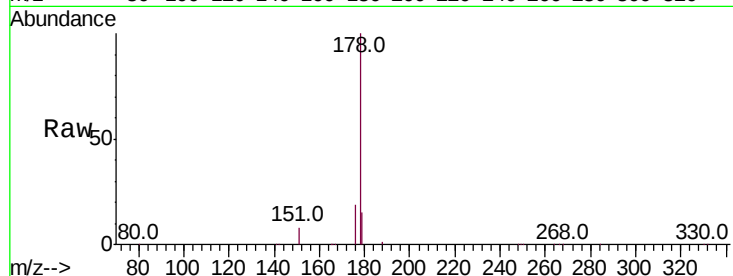
Tot Ion:178 Resp: 41535

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

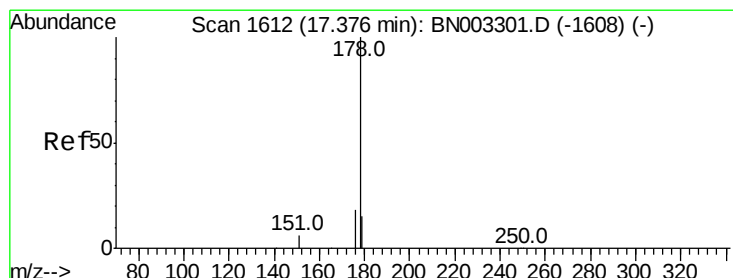
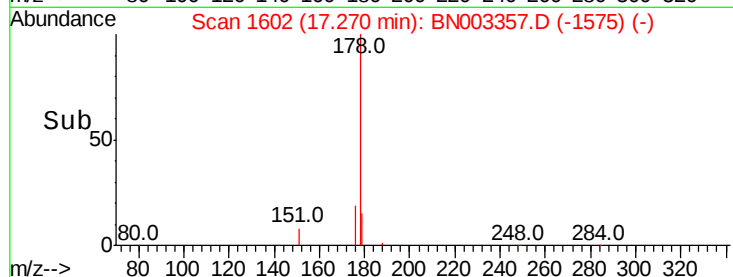
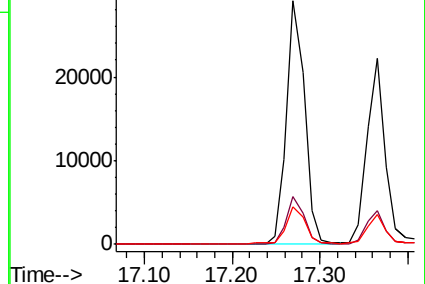
179 15.5 12.4 18.6



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: 0.171 ng

RT: 17.37 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

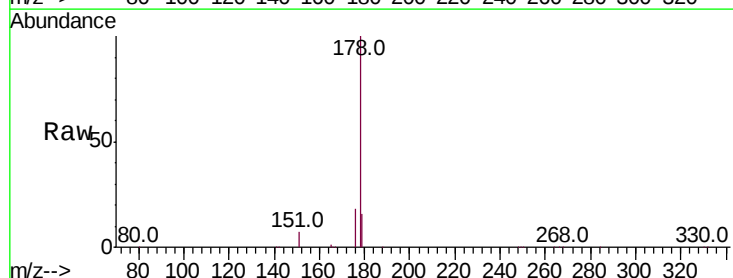
Tgt Ion:178 Resp: 32585

Ion Ratio Lower Upper

178 100

176 18.2 14.5 21.7

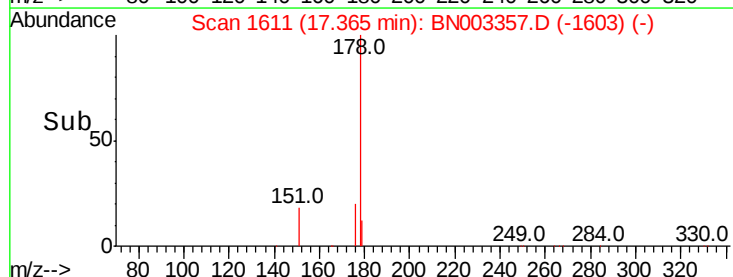
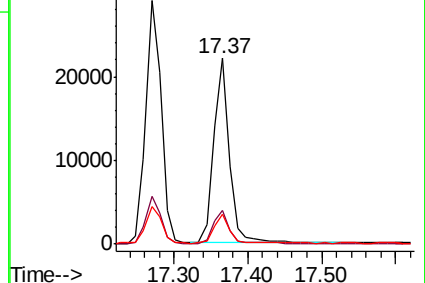
179 15.2 12.2 18.4

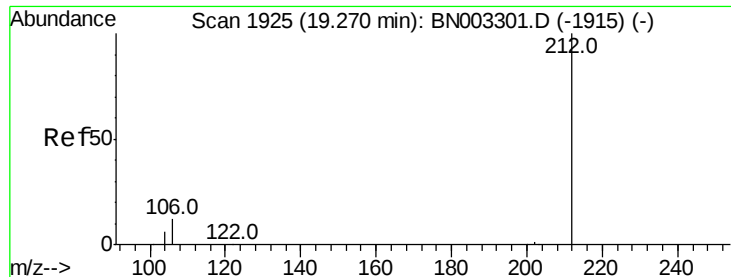


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

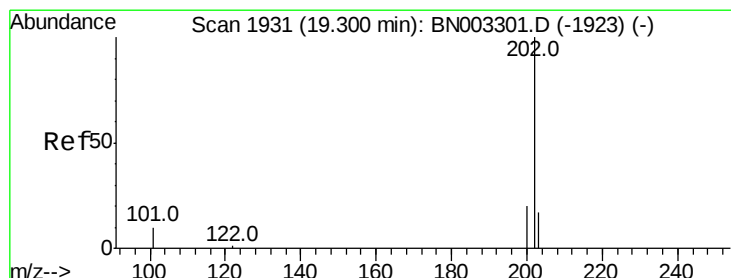
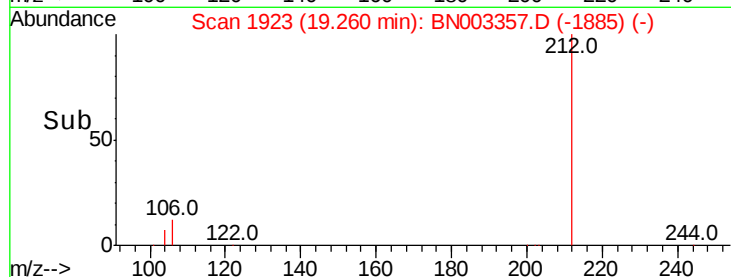
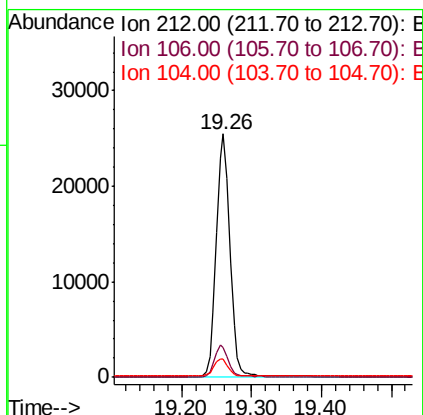
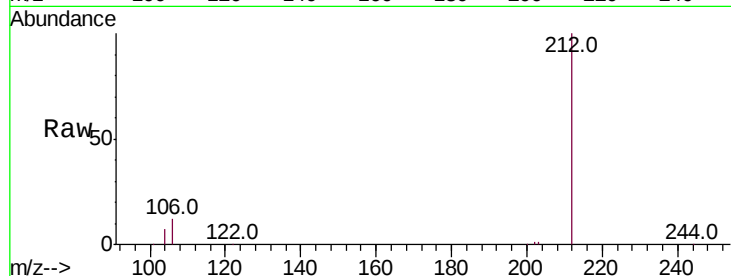




#25
 Fluoranthene-d10
 Concen: 0.148 ng
 RT: 19.26 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: BN003357.D
 Acq: 30 Oct 2018 13:49

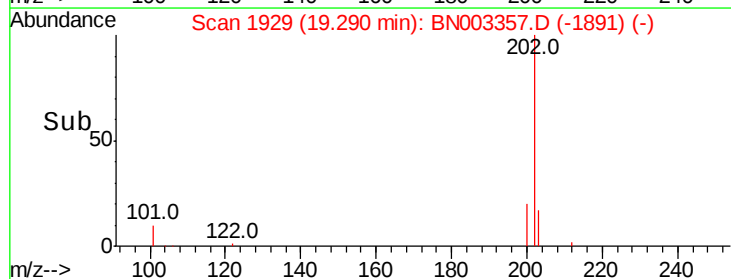
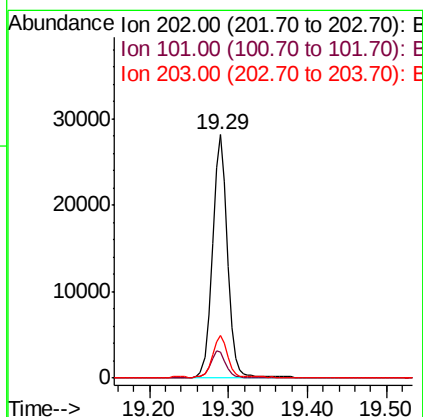
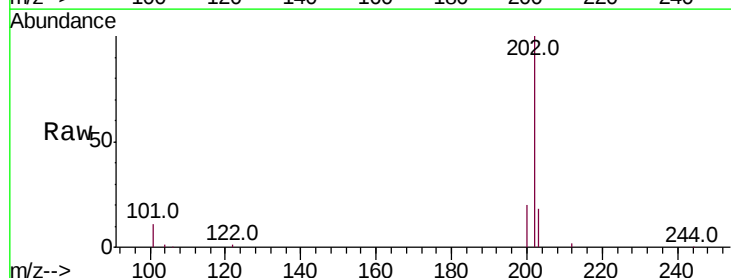
Instrument :
 BNA_N
 ClientSampleId :

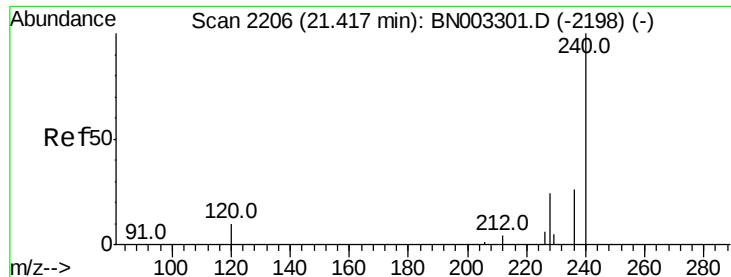
Tot Ion:212 Resp: 34755
 Ion Ratio Lower Upper
 212 100
 106 12.9 10.3 15.5
 104 7.1 5.6 8.4



#26
 Fluoranthene
 Concen: 0.145 ng
 RT: 19.29 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: BN003357.D
 Acq: 30 Oct 2018 13:49

Tgt Ion:202 Resp: 36979
 Ion Ratio Lower Upper
 202 100
 101 11.3 9.0 13.4
 203 17.0 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.41 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

Instrument :

BNA_N

ClientSampled :

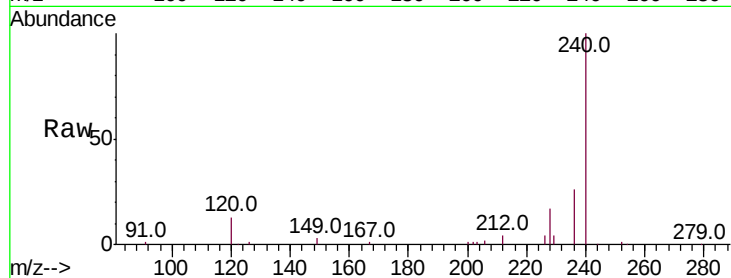
Tot Ion:240 Resp: 53137

Ion Ratio Lower Upper

240 100

120 13.5 9.3 13.9

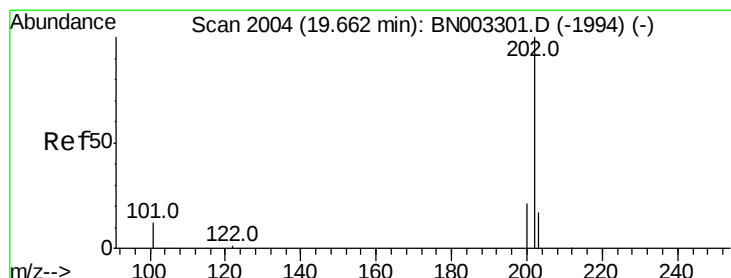
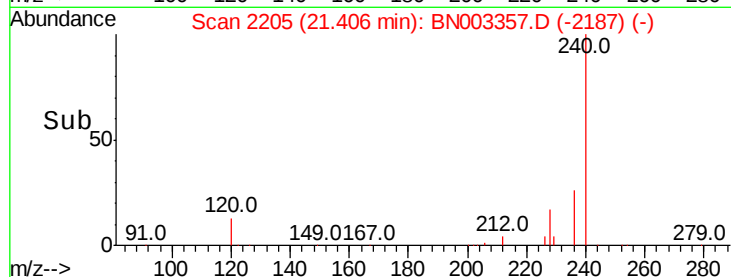
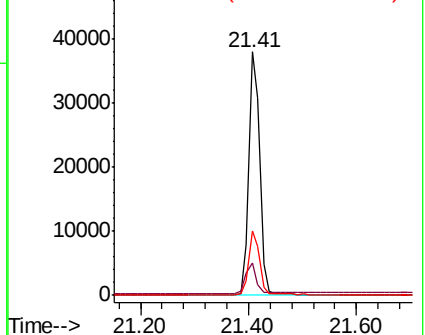
236 26.5 21.0 31.4



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: 0.241 ng

RT: 19.65 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

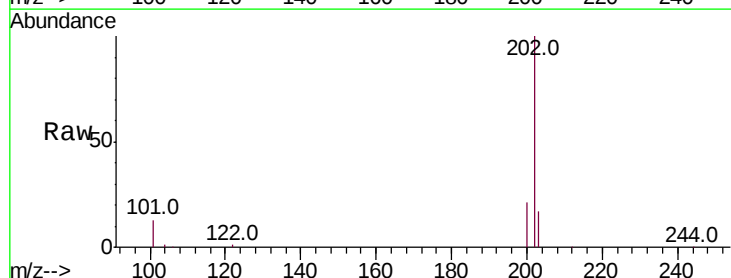
Tgt Ion:202 Resp: 35466

Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

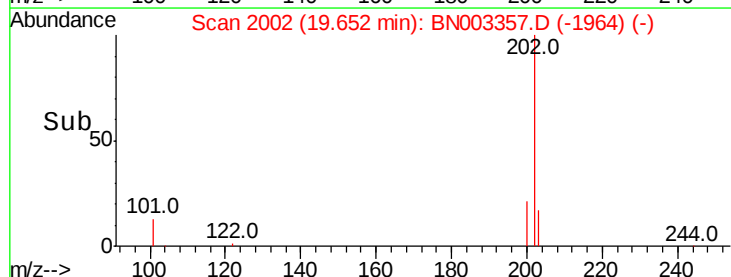
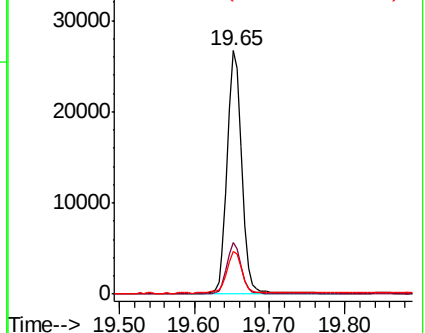
203 17.8 13.9 20.9

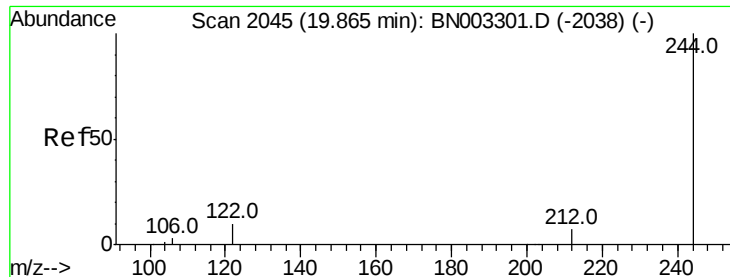


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.240 ng

RT: 19.86 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

Instrument :

BNA_N

ClientSampleId :

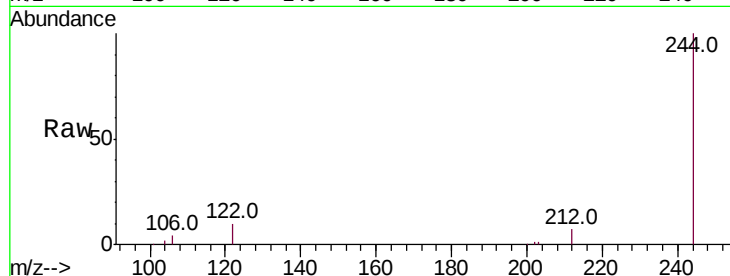
Tot Ion:244 Resp: 29664

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

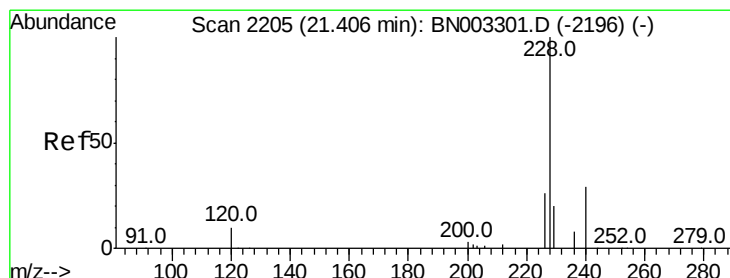
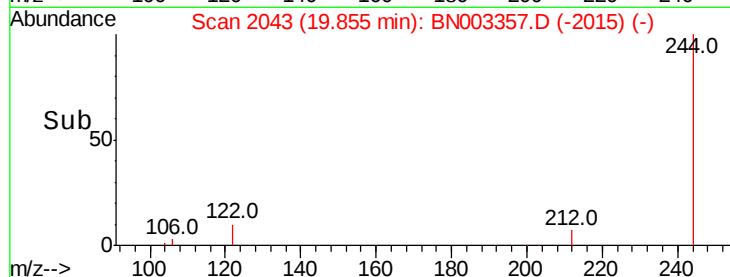
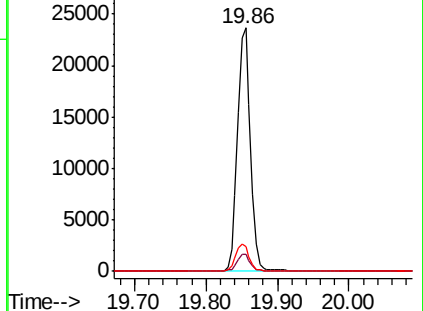
122 10.0 8.5 12.7



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: 0.176 ng

RT: 21.40 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

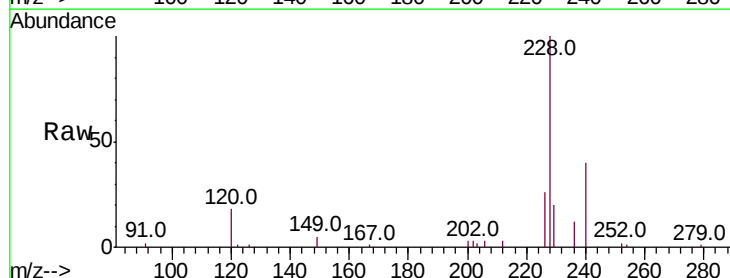
Tgt Ion:228 Resp: 24535

Ion Ratio Lower Upper

228 100

226 26.3 20.8 31.2

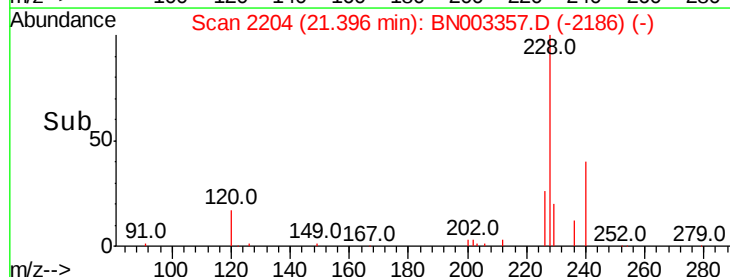
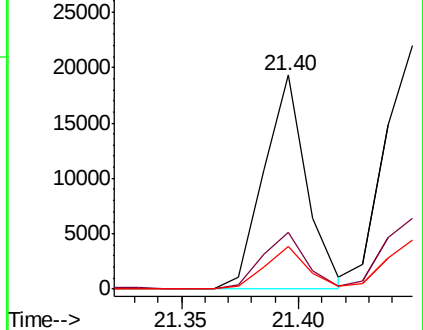
229 19.9 16.1 24.1

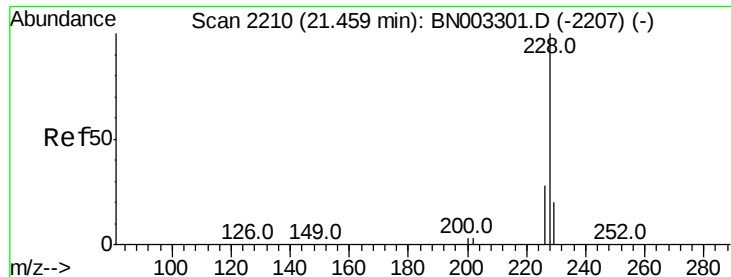


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.194 ng

RT: 21.45 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

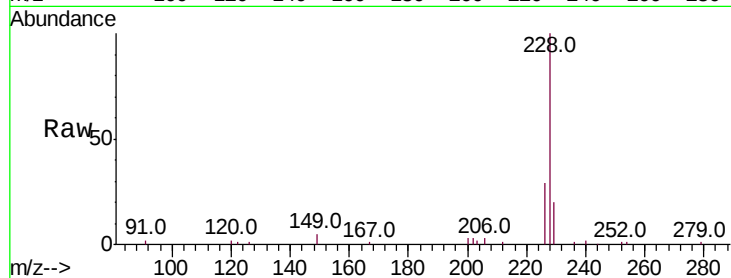
Instrument :

BNA_N

ClientSampled :

Tot Ion:228 Resp: 29177

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.7	34.1
229	20.1	16.0	24.0

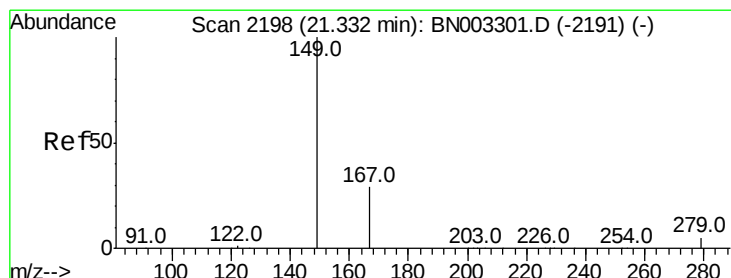
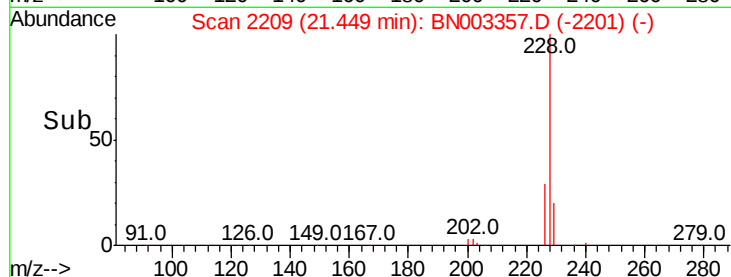
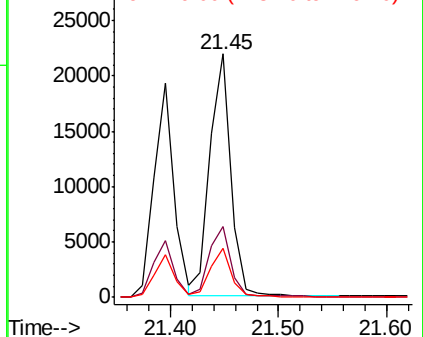


Abundance

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: 0.163 ng

RT: 21.31 min Scan# 2196

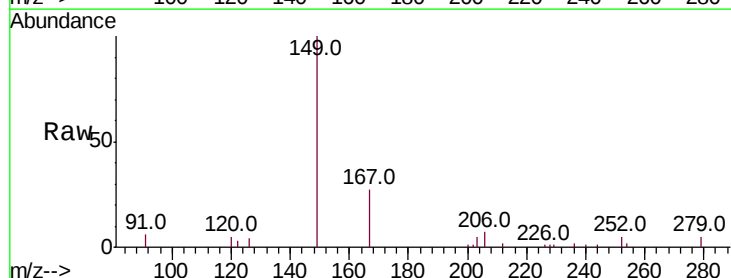
Delta R.T. -0.02 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

Tgt Ion:149 Resp: 6732

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.4	33.6
279	5.3	3.9	5.9

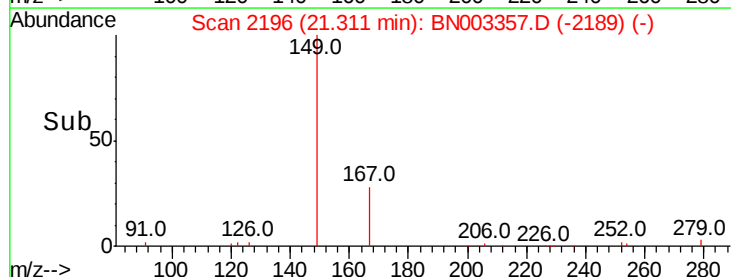
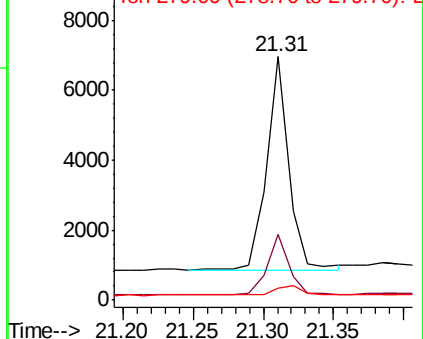


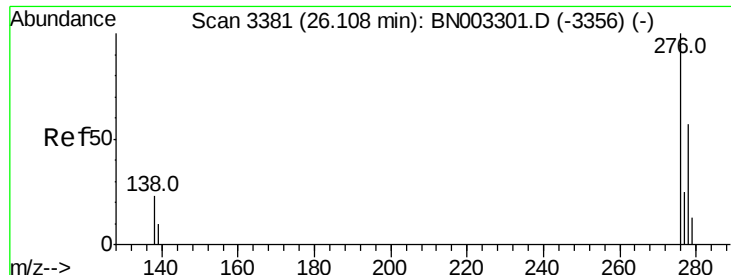
Abundance

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: 0.187 ng

RT: 26.08 min Scan# 3374

Delta R.T. -0.02 min

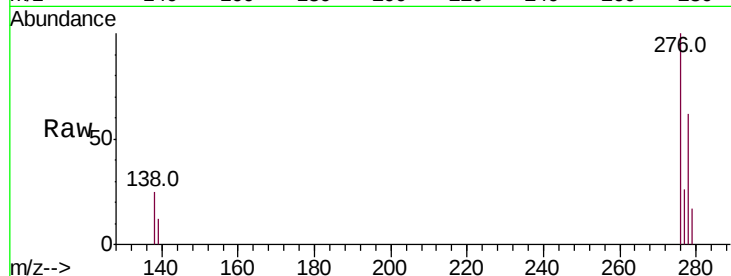
Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

Instrument :

BNA_N

ClientSampleId :



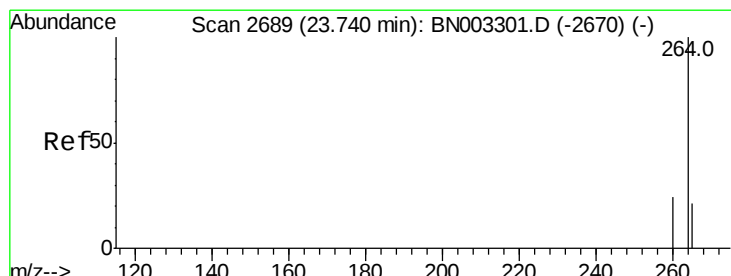
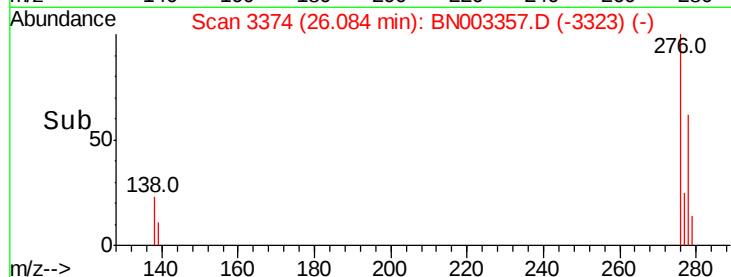
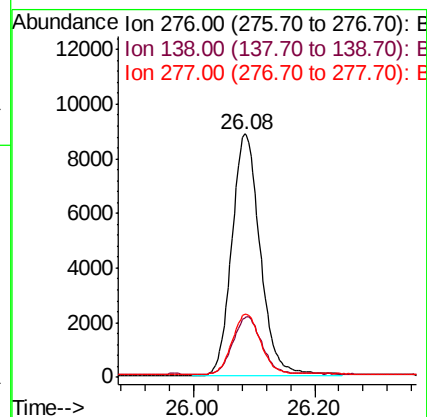
Tot Ion:276 Resp: 29059

Ion Ratio Lower Upper

276 100

138 24.2 20.6 30.8

277 24.7 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: BN003357.D

Acq: 30 Oct 2018 13:49

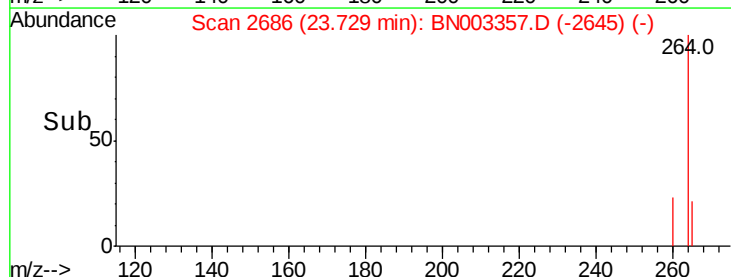
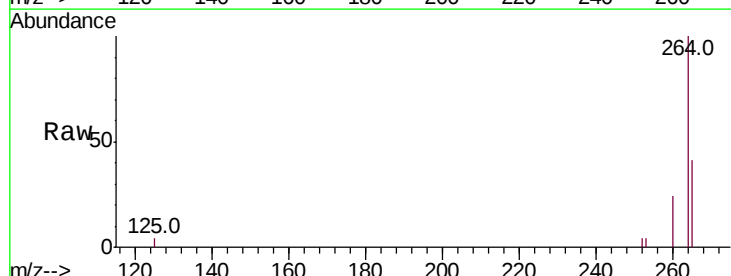
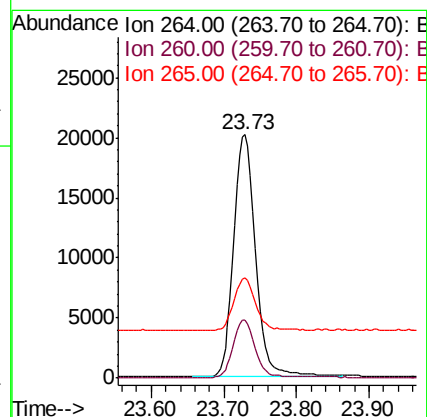
Tgt Ion:264 Resp: 42113

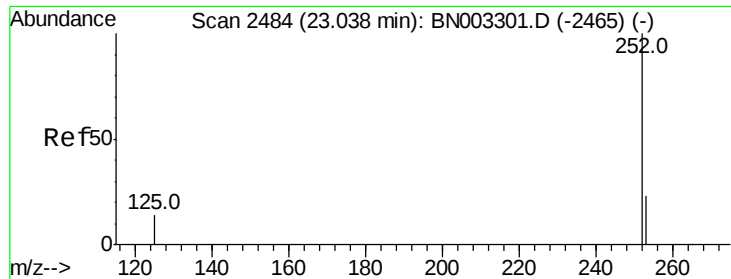
Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

265 41.1 26.4 39.6#

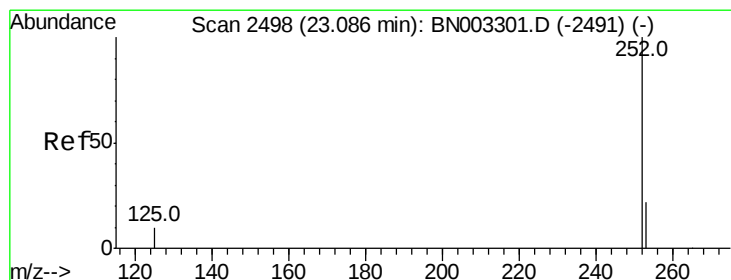
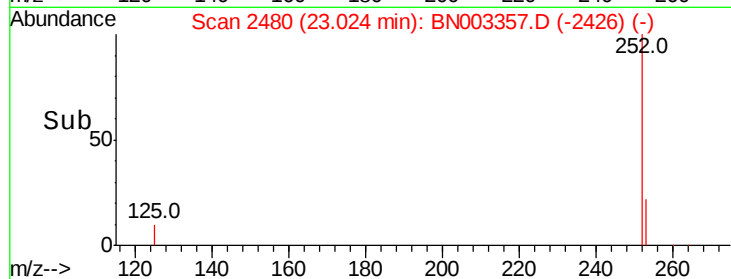
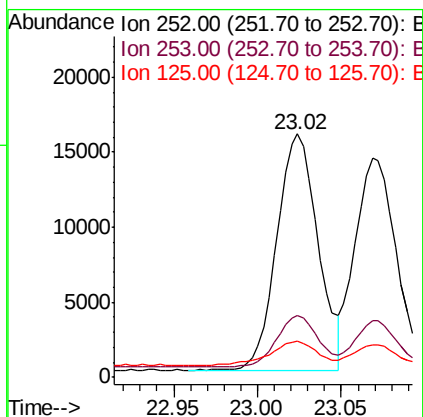
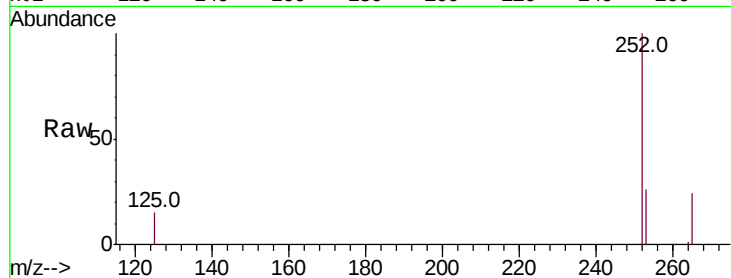




#35
Benzo(b)fluoranthene
Concen: 0.204 ng
RT: 23.02 min Scan# 2480
Delta R.T. -0.01 min
Lab File: BN003357.D
Acq: 30 Oct 2018 13:49

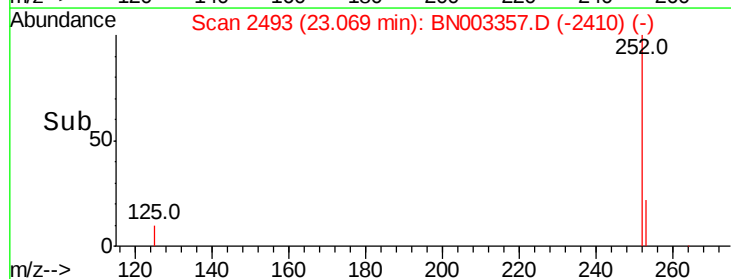
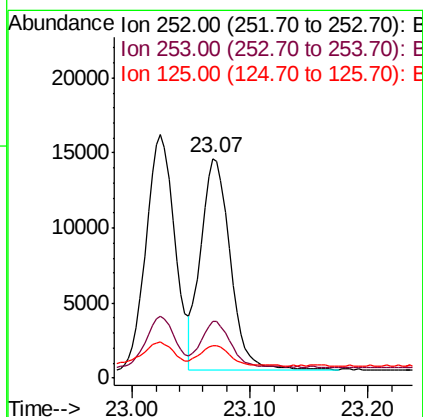
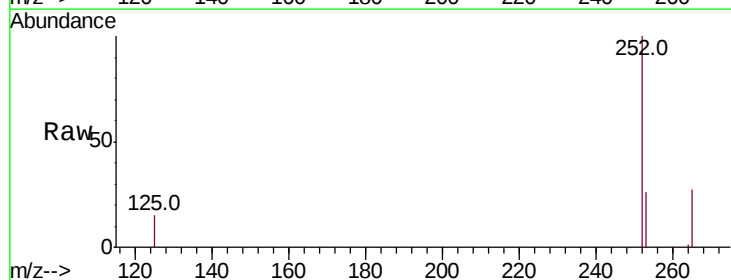
Instrument :
BNA_N
ClientSampleId :

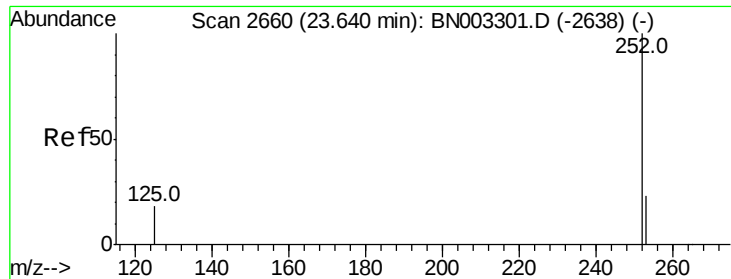
Tot Ion:252 Resp: 26838
Ion Ratio Lower Upper
252 100
253 25.5 19.3 28.9
125 14.9 12.7 19.1



#36
Benzo(k)fluoranthene
Concen: 0.189 ng
RT: 23.07 min Scan# 2493
Delta R.T. -0.02 min
Lab File: BN003357.D
Acq: 30 Oct 2018 13:49

Tgt Ion:252 Resp: 24587
Ion Ratio Lower Upper
252 100
253 26.1 18.5 27.7
125 15.0 9.1 13.7#





#37

Benzo(a)pyrene

Concen: 0.187 ng

RT: 23.62 min Scan# 2655

Delta R.T. -0.02 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

Instrument :

BNA_N

ClientSampleId :

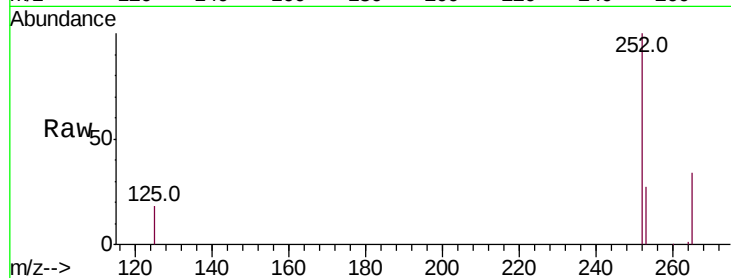
Tot Ion:252 Resp: 22380

Ion Ratio Lower Upper

252 100

253 27.0 20.1 30.1

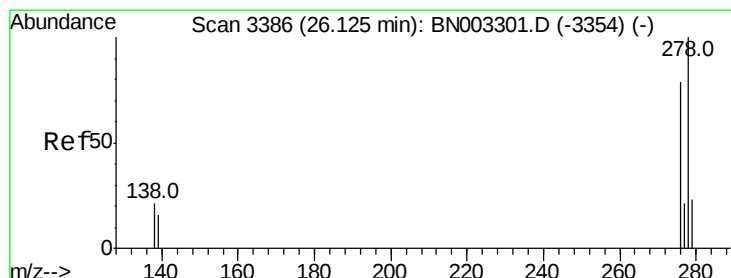
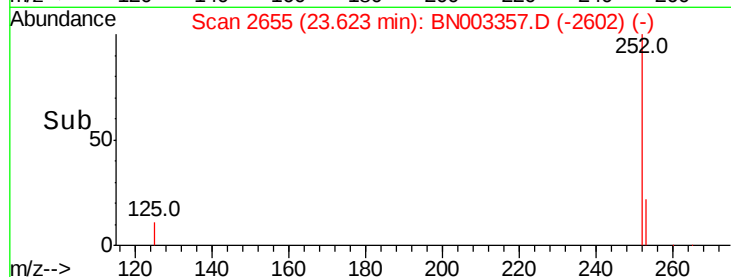
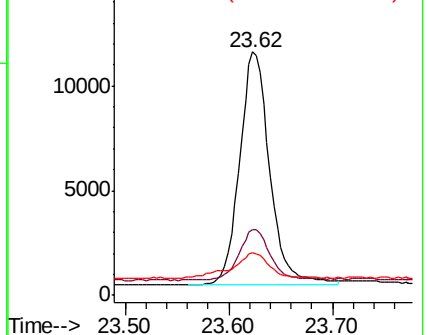
125 17.6 16.0 24.0



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: 0.217 ng

RT: 26.10 min Scan# 3379

Delta R.T. -0.02 min

Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

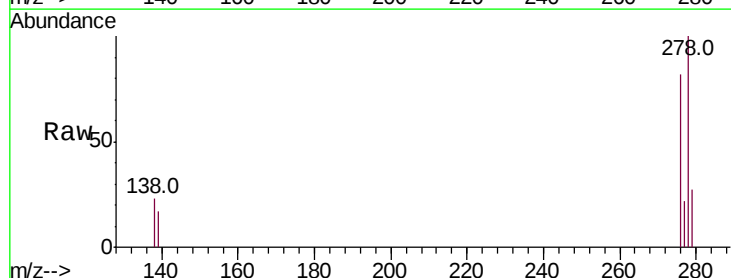
Tgt Ion:278 Resp: 24145

Ion Ratio Lower Upper

278 100

139 17.3 13.5 20.3

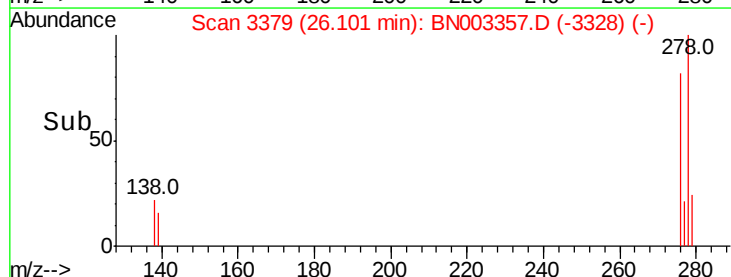
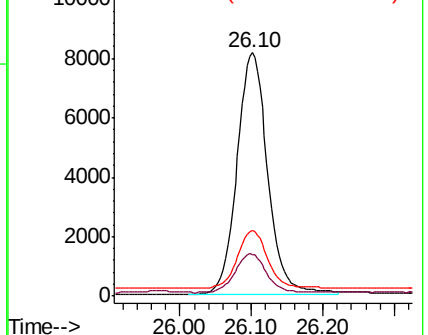
279 26.8 19.8 29.6

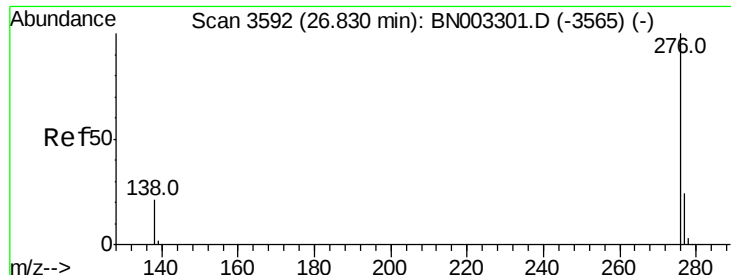


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.237 ng

RT: 26.81 min Scan# 3585

Delta R.T. -0.02 min

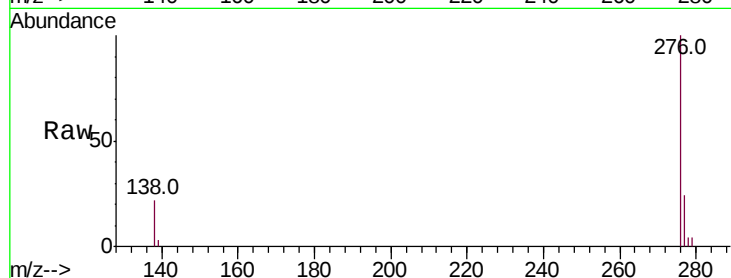
Lab File: BN003357.D

Acq: 30 Oct 2018 13:49

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 26410

Ion Ratio Lower Upper

276 100

277 24.4 19.5 29.3

138 22.2 17.4 26.2

