

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102618\
 Data File : BN003320.D
 Acq On : 27 Oct 2018 00:15
 Operator : MJ/SJ
 Sample : PB114224BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB114224BS

Quant Time: Oct 27 01:10:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN102618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 26 15:17:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	14501	0.40	ng	0.00
7) Naphthalene-d8	10.66	136	57059	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	30407	0.40	ng	-0.01
19) Phenanthrene-d10	17.24	188	76105	0.40	ng	0.00
27) Chrysene-d12	21.42	240	75664	0.40	ng	0.00
34) Perylene-d12	23.74	264	63503	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	6326	0.18	ng	0.00
5) Phenol-d6	7.01	99	7695	0.17	ng	0.00
8) Nitrobenzene-d5	9.02	82	4797	0.19	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	15380	0.17	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	1615	0.13	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	22703	0.17	ng	-0.01
25) Fluoranthene-d10	19.26	212	33485	0.15	ng	0.00
29) Terphenyl-d14	19.86	244	29598	0.17	ng	0.00

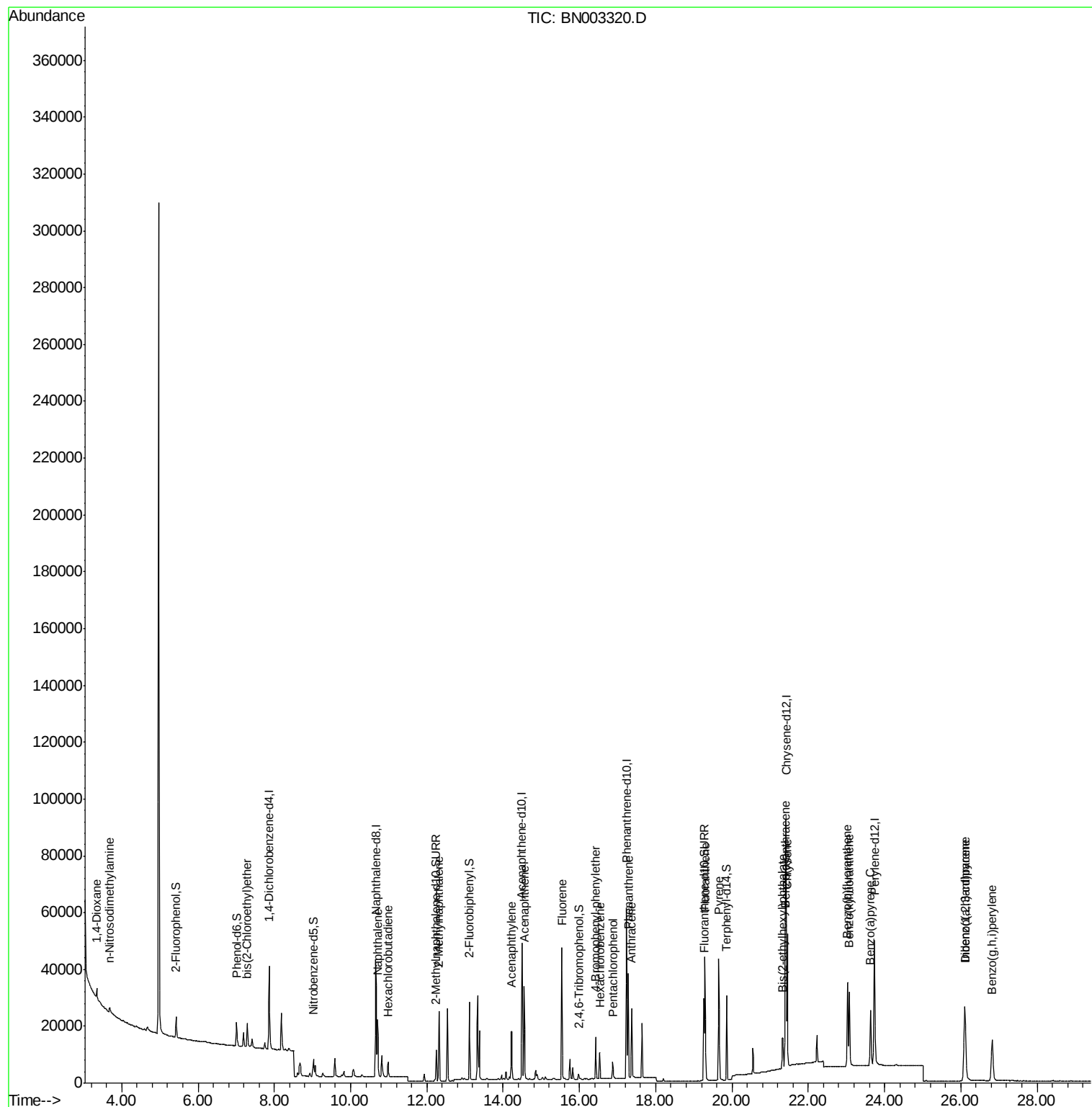
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	2510	0.134	ng	# 64
3) n-Nitrosodimethylamine	3.68	42	1833	0.212	ng	# 90
6) bis(2-Chloroethyl)ether	7.29	93	7214	0.178	ng	98
9) Naphthalene	10.71	128	26458	0.189	ng	99
10) Hexachlorobutadiene	10.99	225	4374	0.172	ng	# 99
12) 2-Methylnaphthalene	12.32	142	18190	0.186	ng	98
16) Acenaphthylene	14.22	152	21865	0.161	ng	100
17) Acenaphthene	14.56	154	16152	0.172	ng	99
18) Fluorene	15.55	166	21132	0.180	ng	100
20) 4-Bromophenyl-phenylether	16.43	248	7098	0.161	ng	# 85
21) Hexachlorobenzene	16.54	284	7768	0.167	ng	99
22) Pentachlorophenol	16.88	266	3015	0.239	ng	98
23) Phenanthrene	17.28	178	37860	0.181	ng	100
24) Anthracene	17.37	178	28866	0.161	ng	100
26) Fluoranthene	19.29	202	39059	0.163	ng	100
28) Pyrene	19.66	202	38473	0.184	ng	99
30) Benzo(a)anthracene	21.40	228	32368	0.163	ng	98
31) Chrysene	21.45	228	39337	0.184	ng	97
32) Bis(2-ethylhexyl)phthalate	21.32	149	8008	0.136	ng	100
33) Indeno(1,2,3-cd)pyrene	26.10	276	36390	0.164	ng	98
35) Benzo(b)fluoranthene	23.03	252	37191	0.190	ng	98
36) Benzo(k)fluoranthene	23.08	252	35697	0.182	ng	96
37) Benzo(a)pyrene	23.63	252	29957	0.166	ng	# 95
38) Dibenzo(a,h)anthracene	26.12	278	29808	0.177	ng	98
39) Benzo(g,h,i)perylene	26.82	276	33420	0.199	ng	99

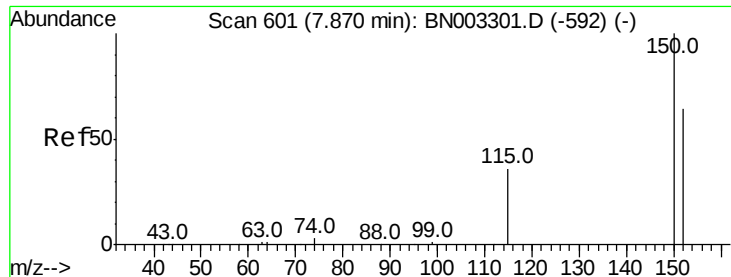
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102618\
Data File : BN003320.D
Acq On : 27 Oct 2018 00:15
Operator : MJ/SJ
Sample : PB114224BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB114224BS

Quant Time: Oct 27 01:10:40 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN102618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 26 15:17:57 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 600

Delta R.T. -0.01 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Instrument :

BNA_N

ClientSampleId :

PB114224BS

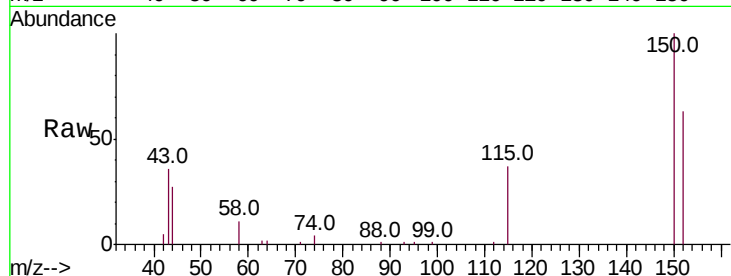
Tot Ion:152 Resp: 14501

Ion Ratio Lower Upper

152 100

150 159.3 124.6 187.0

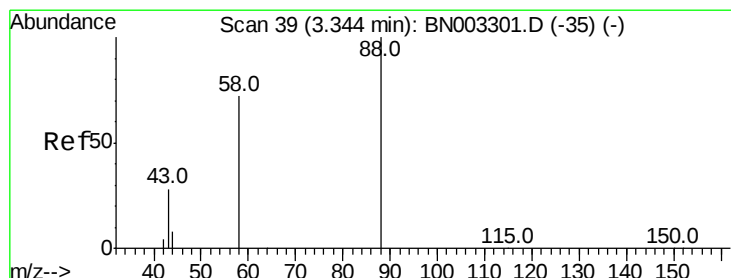
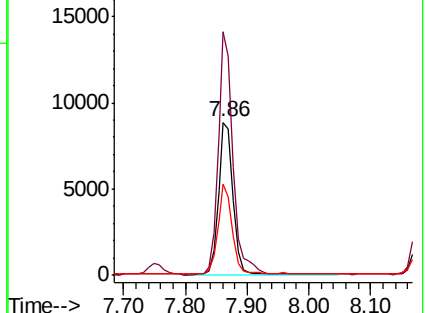
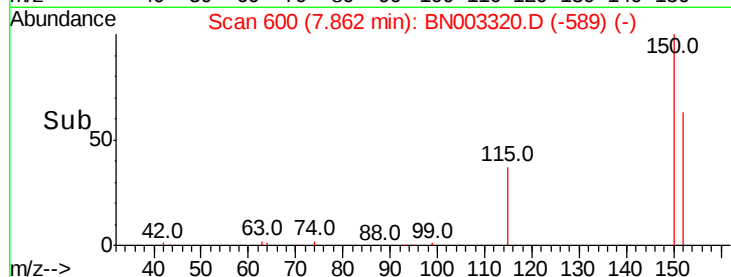
115 59.6 46.4 69.6



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: 0.134 ng

RT: 3.34 min Scan# 39

Delta R.T. 0.00 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

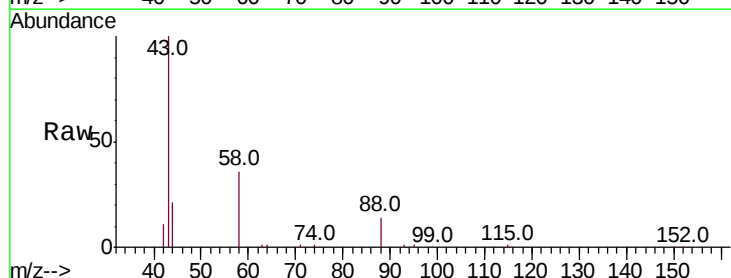
Tgt Ion: 88 Resp: 2510

Ion Ratio Lower Upper

88 100

58 100.2 60.9 91.3#

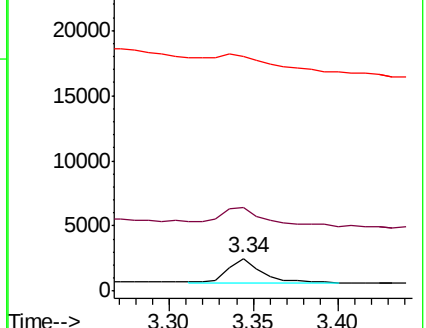
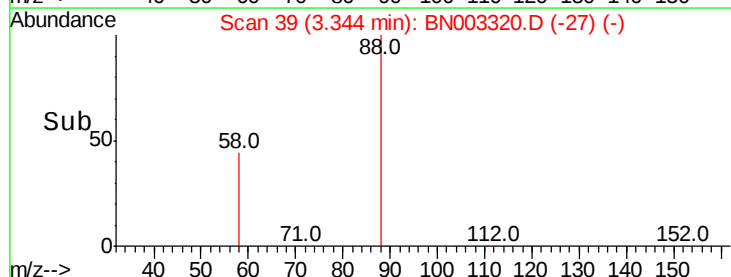
43 0.0 23.9 35.9#



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: 0.212 ng

RT: 3.68 min Scan# 81

Delta R.T. -0.01 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Instrument :

BNA_N

ClientSampleId :

PB114224BS

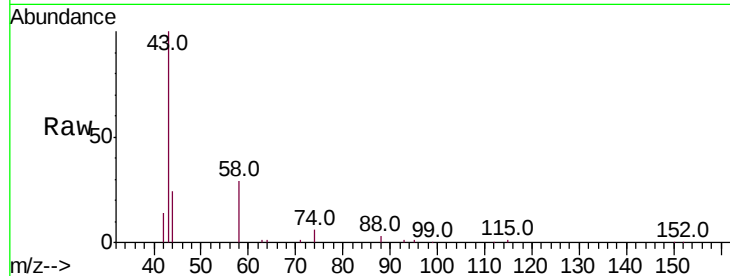
Tot Ion: 42 Resp: 1833

Ion Ratio Lower Upper

42 100

74 134.9 99.1 148.7

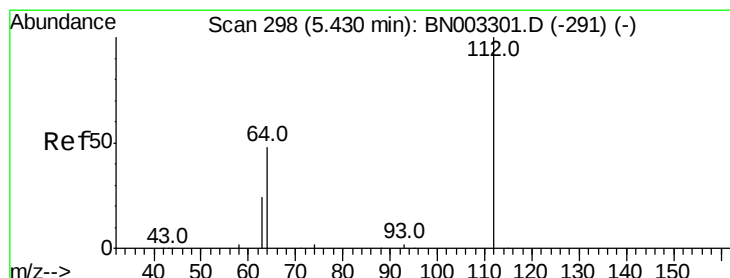
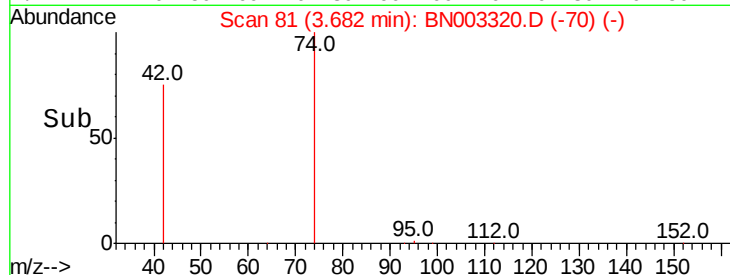
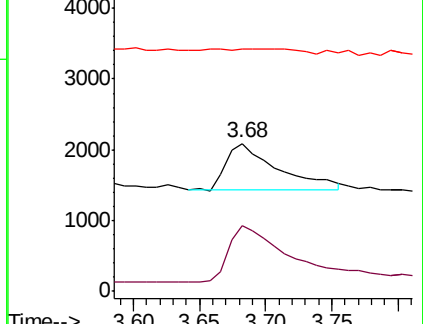
44 0.0 4.2 6.4#



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: 0.176 ng

RT: 5.43 min Scan# 298

Delta R.T. 0.00 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

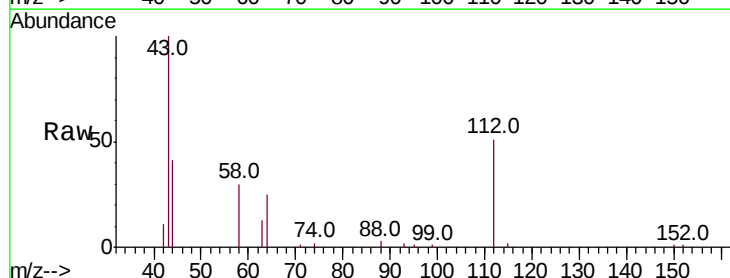
Tgt Ion: 112 Resp: 6326

Ion Ratio Lower Upper

112 100

64 55.2 44.3 66.5

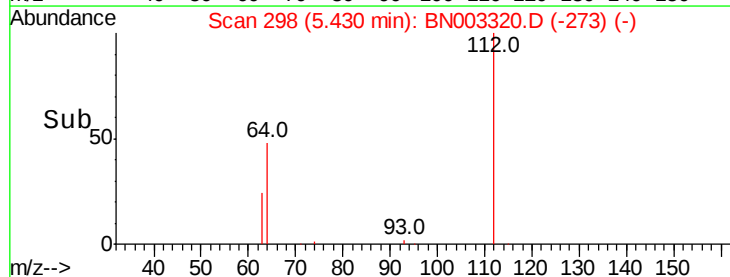
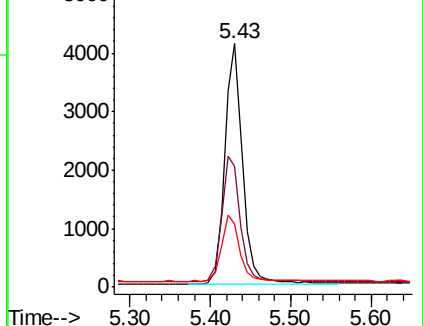
63 28.2 22.4 33.6

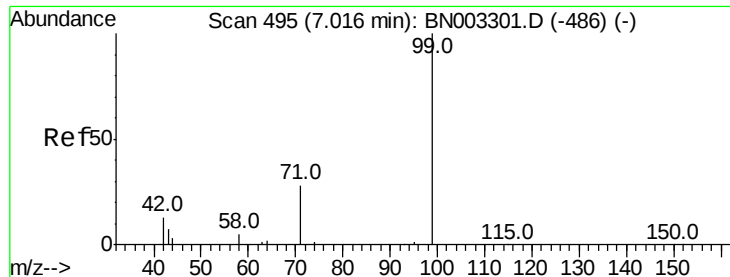


Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.170 ng

RT: 7.01 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Instrument :

BNA_N

ClientSampleId :

PB114224BS

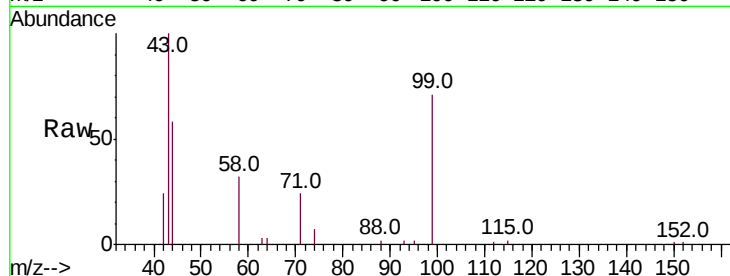
Tot Ion: 99 Resp: 7695

Ion Ratio Lower Upper

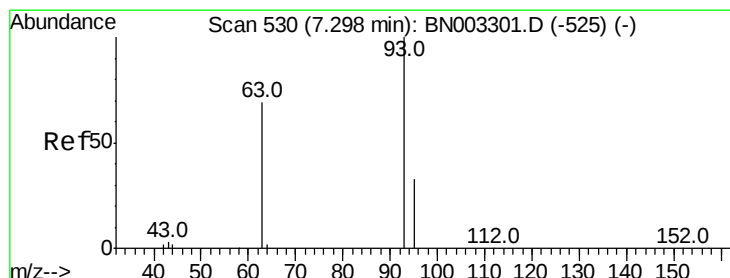
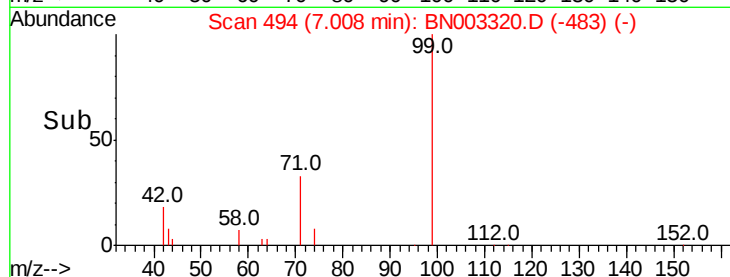
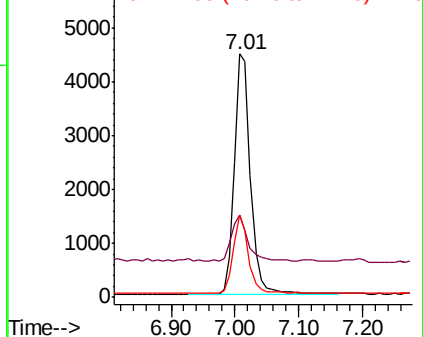
99 100

42 19.3 14.8 22.2

71 30.3 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: 0.178 ng

RT: 7.29 min Scan# 529

Delta R.T. -0.01 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

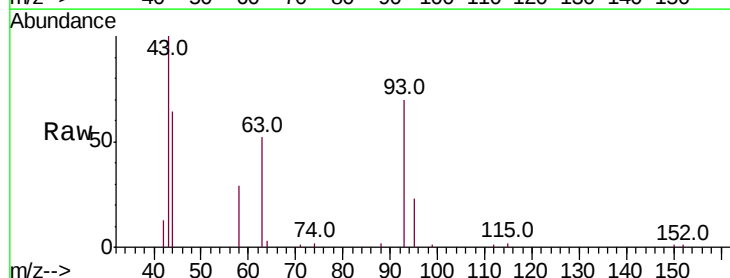
Tgt Ion: 93 Resp: 7214

Ion Ratio Lower Upper

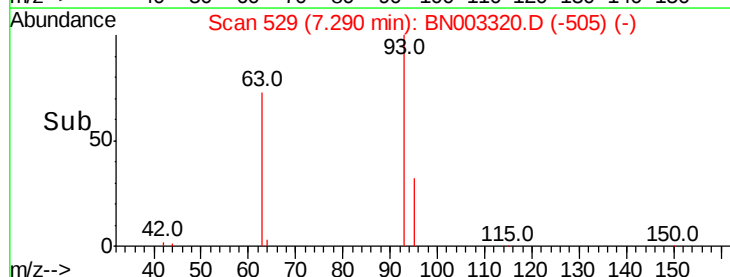
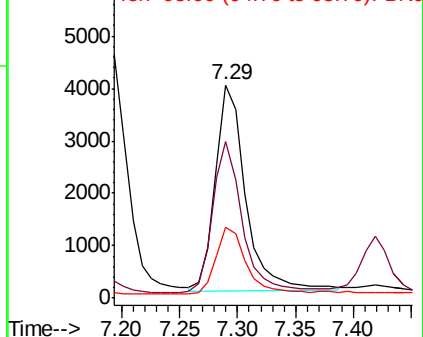
93 100

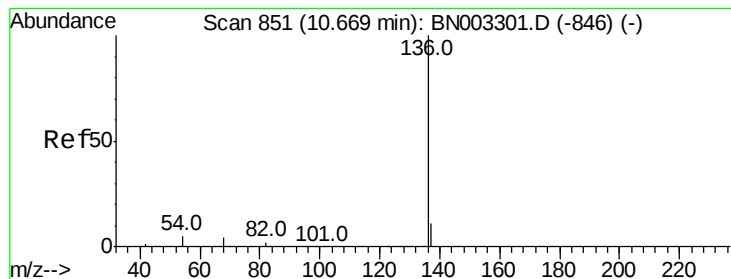
63 72.1 55.8 83.6

95 31.9 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: BN003320.D

Acq: 27 Oct 2018 00:15

Instrument :

BNA_N

ClientSampleId :

PB114224BS

Tot Ion:136 Resp: 57059

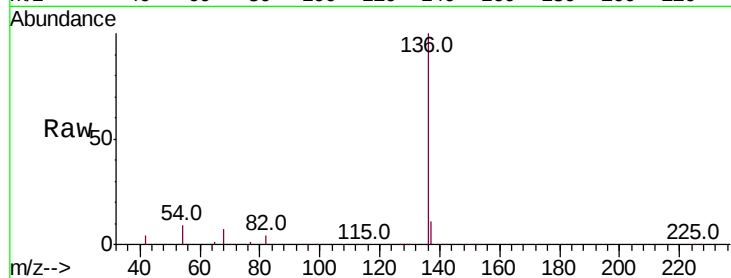
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 8.7 4.1 6.1#

68 6.8 3.5 5.3#

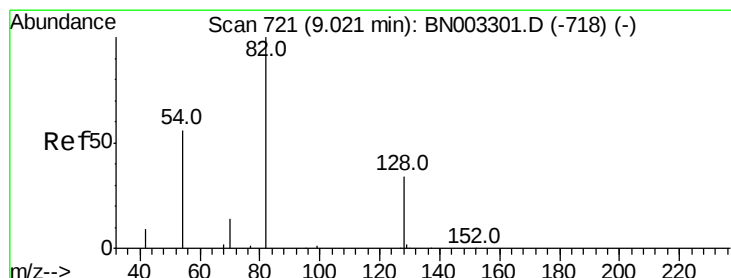
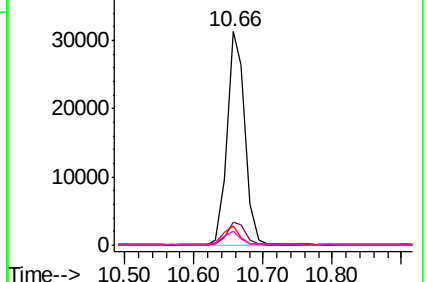
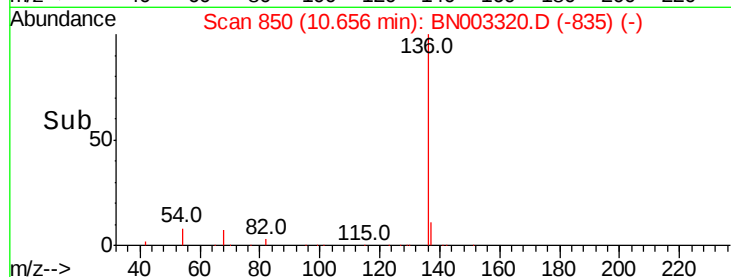


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.192 ng

RT: 9.02 min Scan# 721

Delta R.T. 0.00 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

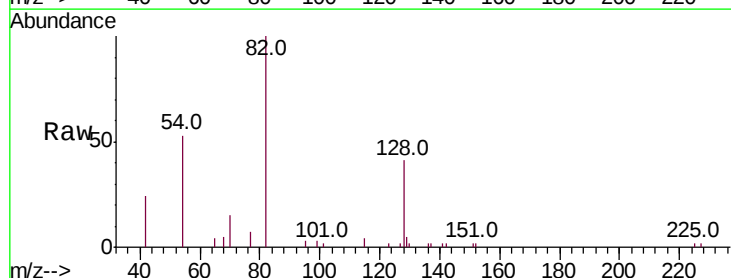
Tgt Ion: 82 Resp: 4797

Ion Ratio Lower Upper

82 100

128 40.7 28.9 43.3

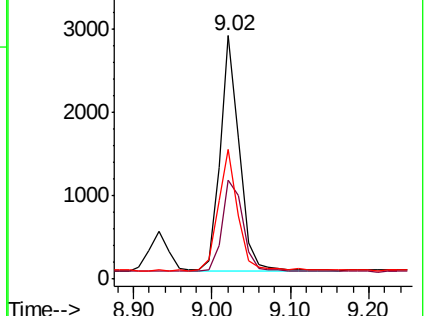
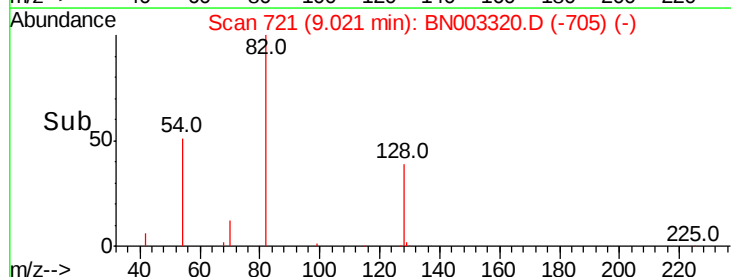
54 53.2 46.1 69.1

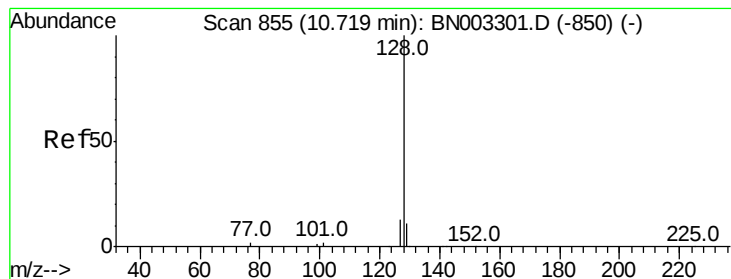


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.189 ng

RT: 10.71 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Instrument :

BNA_N

ClientSampleId :

PB114224BS

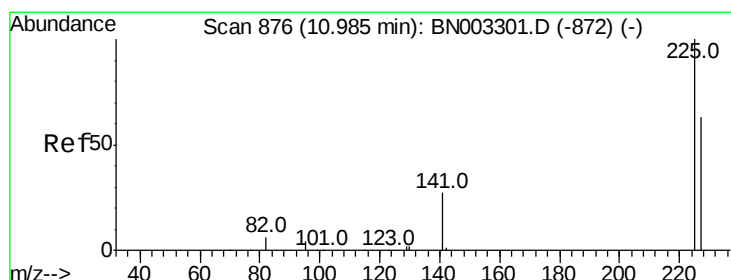
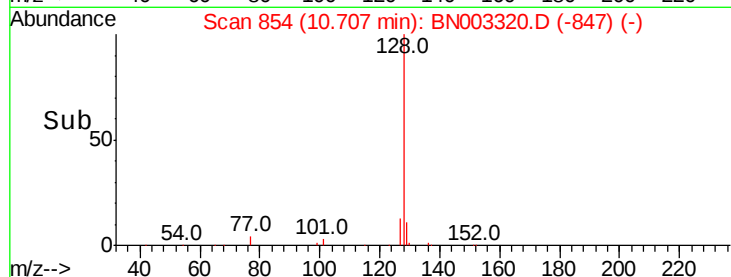
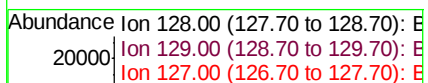
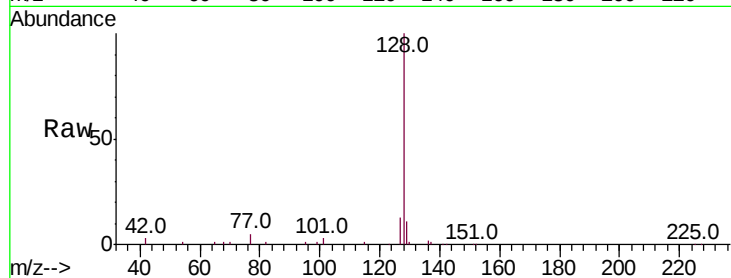
Tot Ion:128 Resp: 26458

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

127 13.2 10.2 15.4



#10

Hexachlorobutadiene

Concen: 0.172 ng

RT: 10.99 min Scan# 876

Delta R.T. 0.00 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

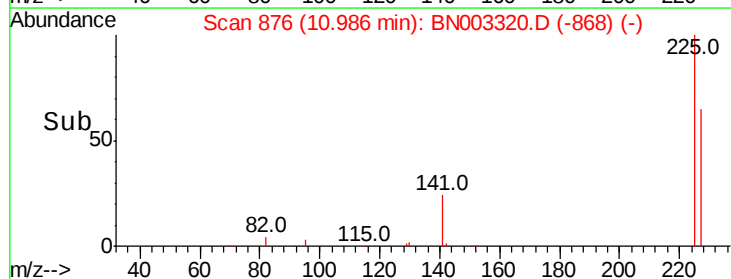
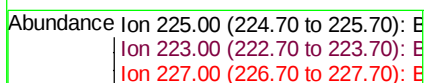
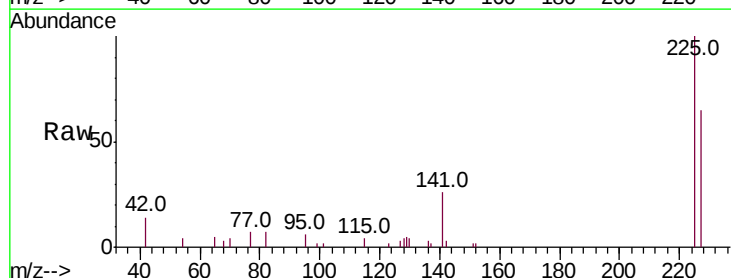
Tgt Ion:225 Resp: 4374

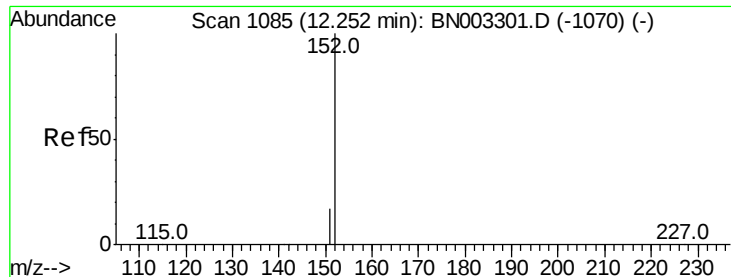
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.6 51.3 76.9





#11

2-Methylnaphthalene-d10

Concen: 0.166 ng

RT: 12.25 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Instrument :

BNA_N

ClientSampleId :

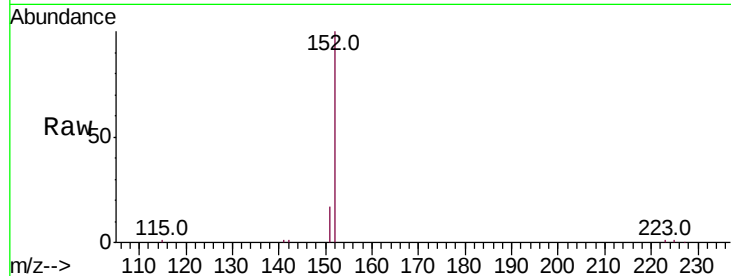
PB114224BS

Tot Ion:152 Resp: 15380

Ion Ratio Lower Upper

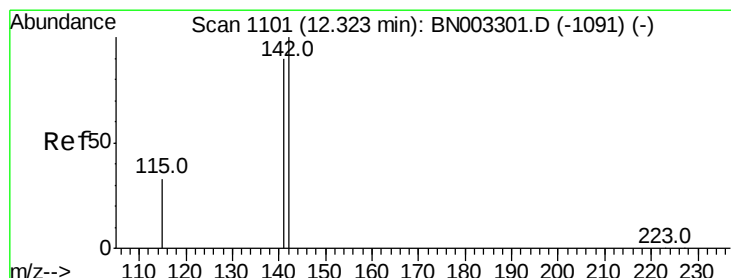
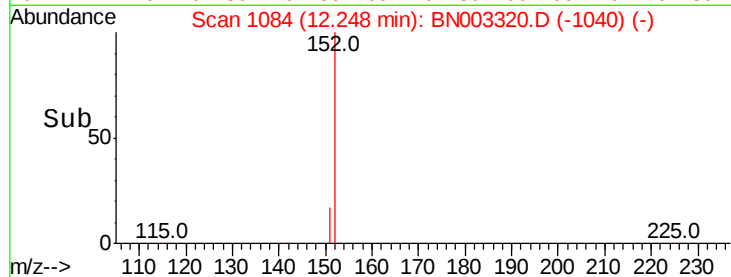
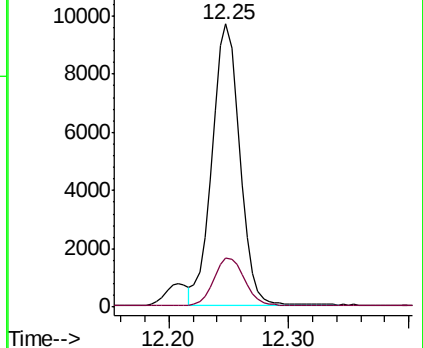
152 100

151 19.0 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.186 ng

RT: 12.32 min Scan# 1101

Delta R.T. 0.00 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

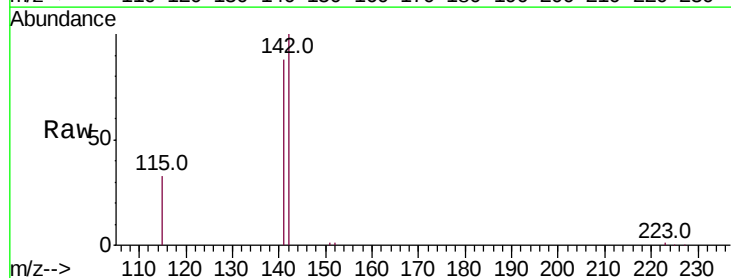
Tgt Ion:142 Resp: 18190

Ion Ratio Lower Upper

142 100

141 87.8 71.9 107.9

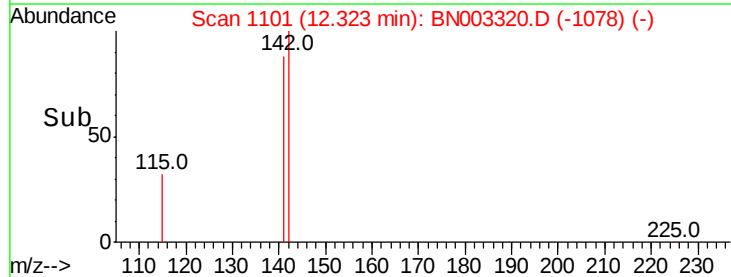
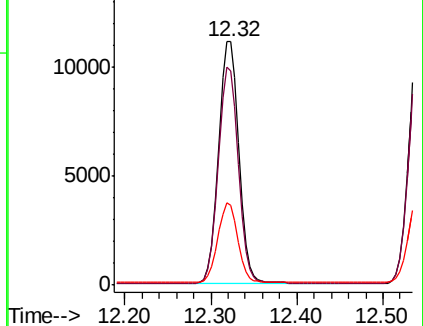
115 32.8 27.0 40.6

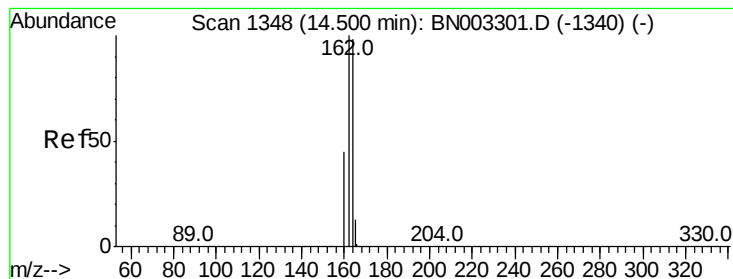


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Instrument :

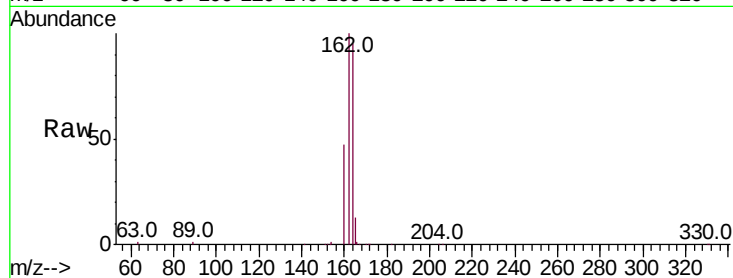
BNA_N

ClientSampleId :

PB114224BS

Tot Ion:164 Resp: 30407

Ion	Ratio	Lower	Upper
164	100		
162	105.2	81.8	122.6
160	48.9	37.2	55.8

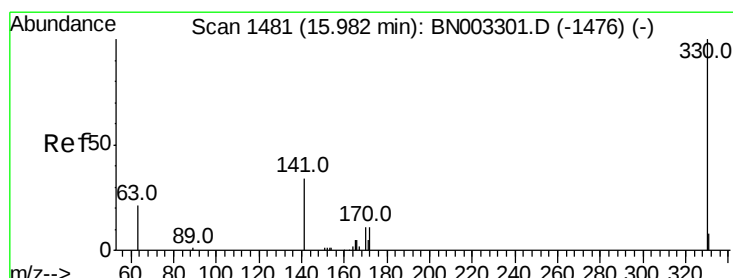
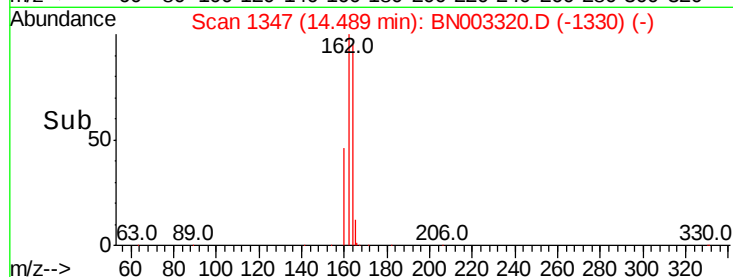
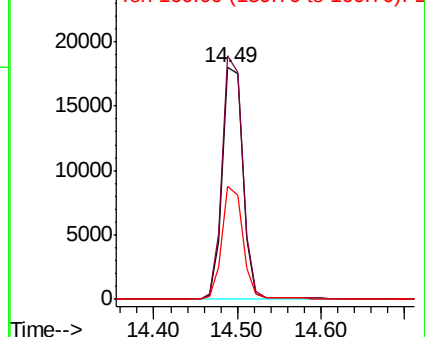


Abundance

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: 0.133 ng

RT: 15.98 min Scan# 1481

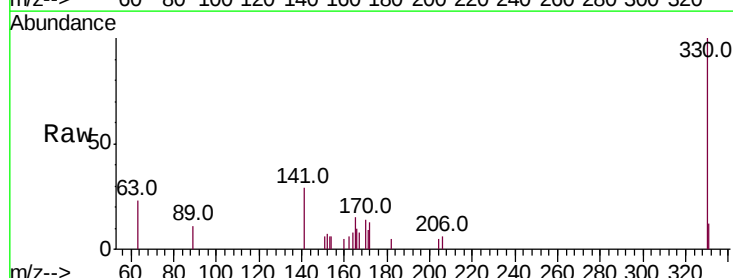
Delta R.T. 0.00 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Tgt Ion:330 Resp: 1615

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.4	28.3	42.5

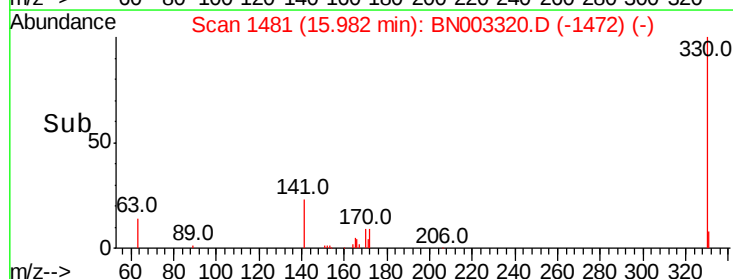
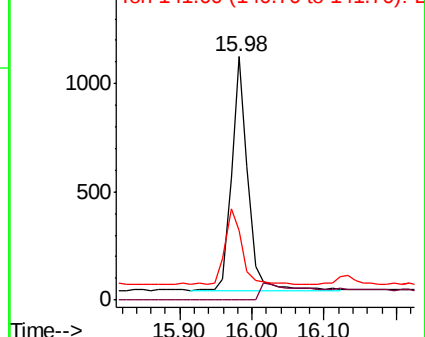


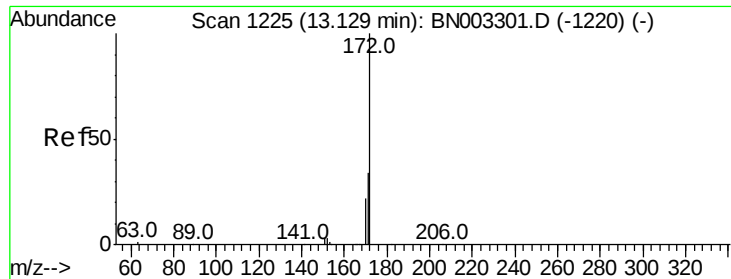
Abundance

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

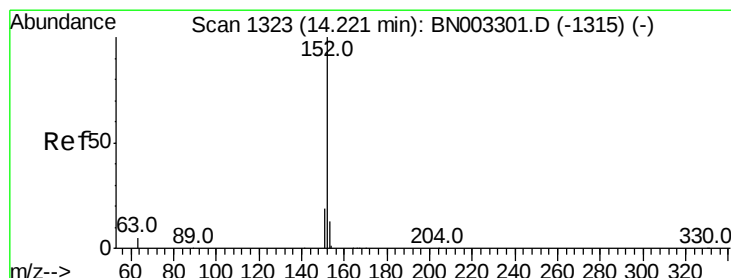
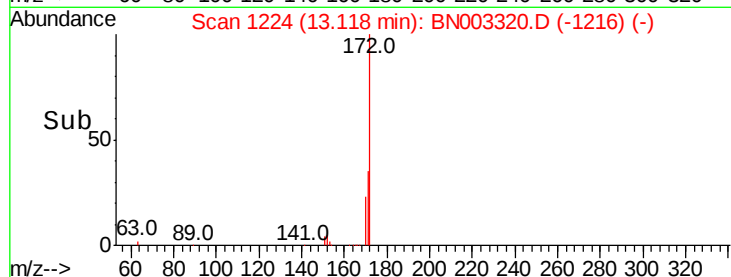
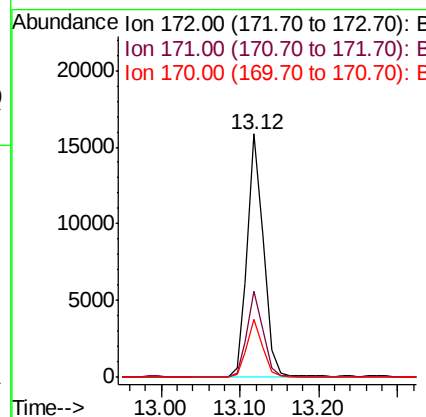
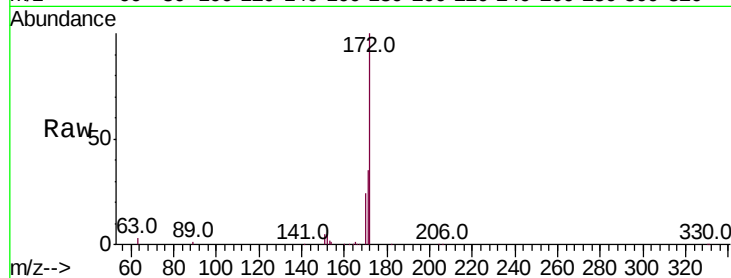




#15
2-Fluorobiphenyl
Concen: 0.174 ng
RT: 13.12 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BN003320.D
Acq: 27 Oct 2018 00:15

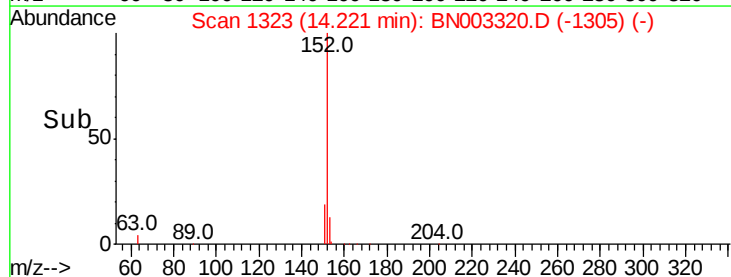
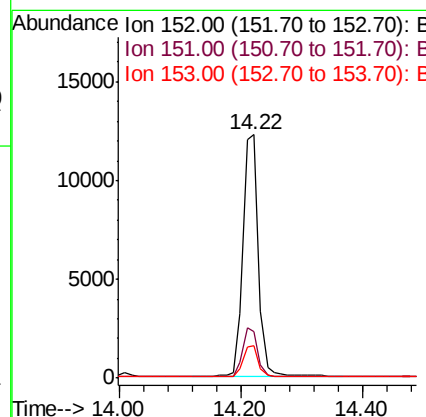
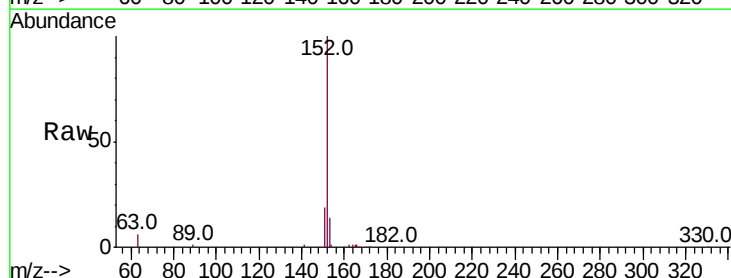
Instrument :
BNA_N
ClientSampleId :
PB114224BS

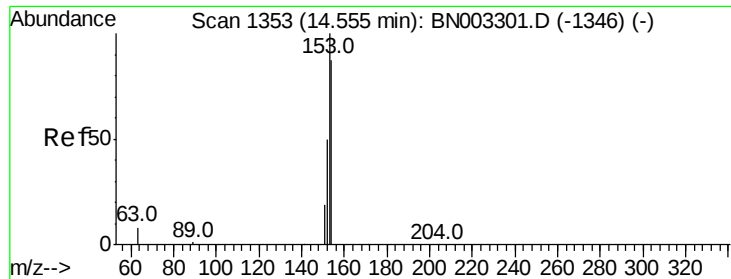
Tot Ion:172 Resp: 22703
Ion Ratio Lower Upper
172 100
171 35.2 27.1 40.7
170 23.6 17.4 26.0



#16
Acenaphthylene
Concen: 0.161 ng
RT: 14.22 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BN003320.D
Acq: 27 Oct 2018 00:15

Tgt Ion:152 Resp: 21865
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.0 10.6 15.8





#17

Acenaphthene

Concen: 0.172 ng

RT: 14.56 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Instrument :

BNA_N

ClientSampleId :

PB114224BS

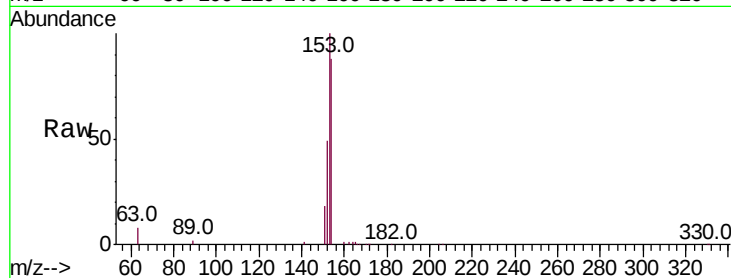
Tot Ion:154 Resp: 16152

Ion Ratio Lower Upper

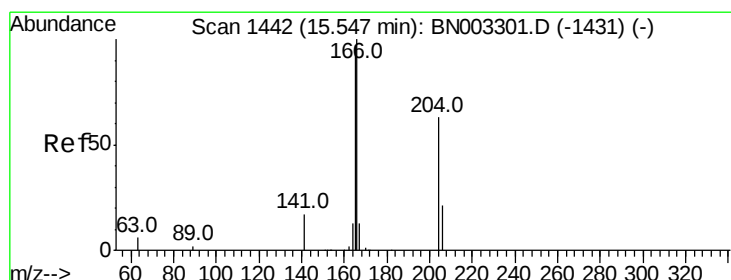
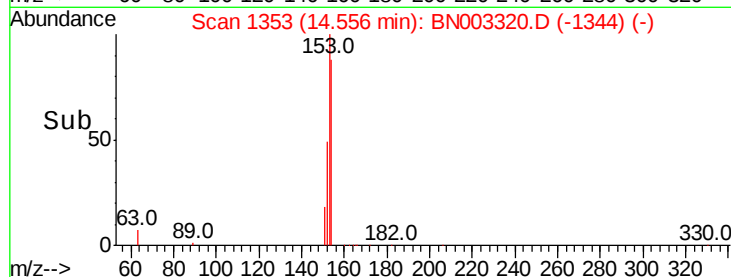
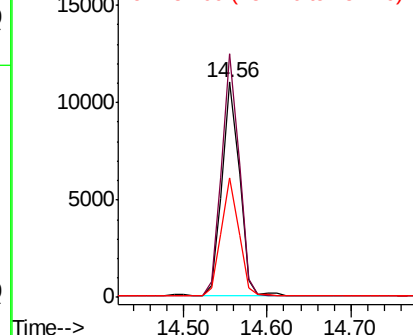
154 100

153 112.5 88.9 133.3

152 55.3 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: 0.180 ng

RT: 15.55 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

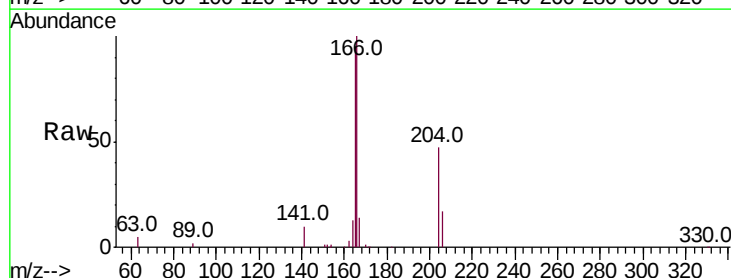
Tgt Ion:166 Resp: 21132

Ion Ratio Lower Upper

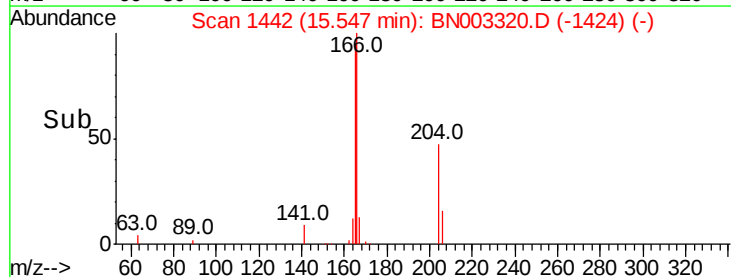
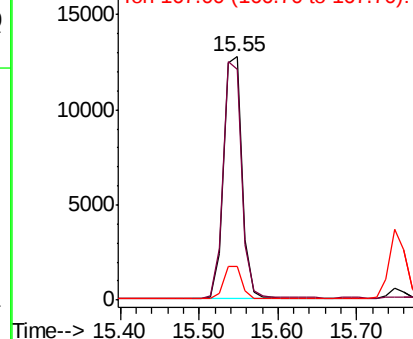
166 100

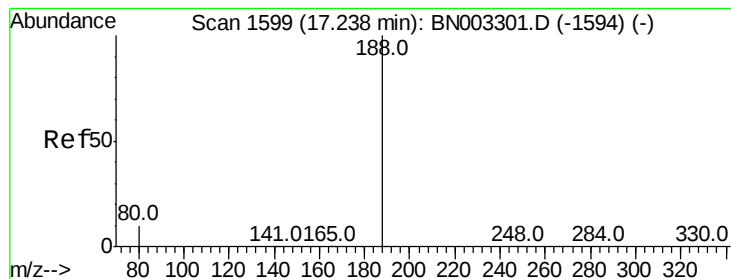
165 97.7 77.8 116.8

167 13.5 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: 17.24 min Scan# 1599

Delta R.T. 0.00 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Instrument :

BNA_N

ClientSampleId :

PB114224BS

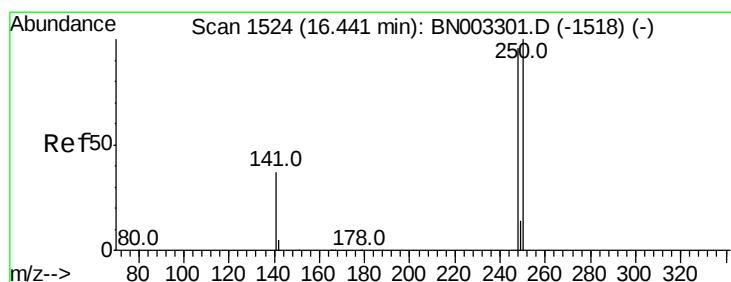
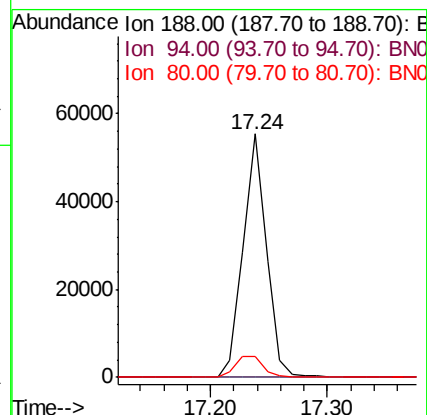
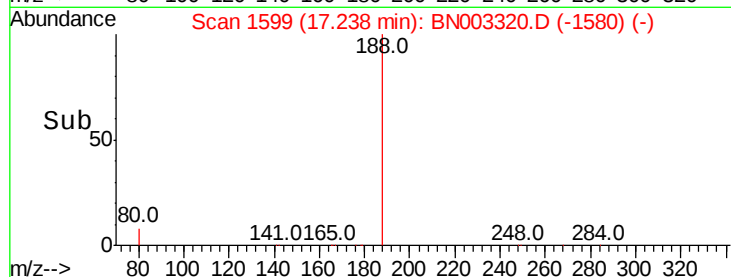
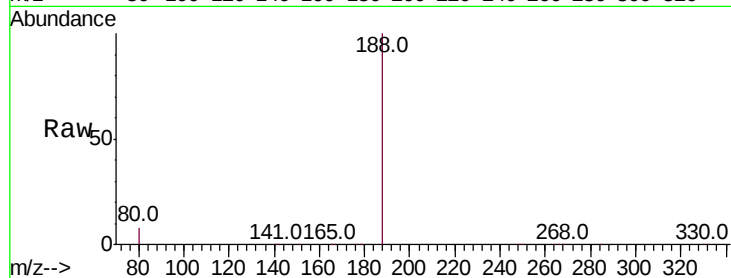
Tot Ion:188 Resp: 76105

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.3 8.6 12.8#



#20

4-Bromophenyl-phenylether

Concen: 0.161 ng

RT: 16.43 min Scan# 1523

Delta R.T. -0.01 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

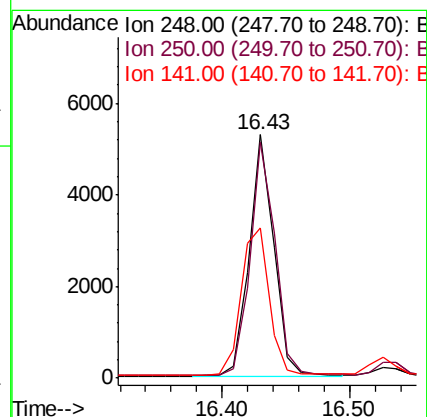
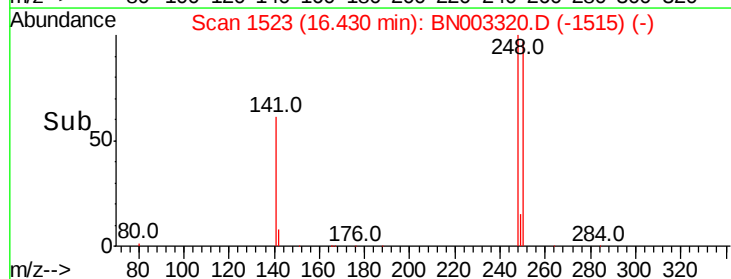
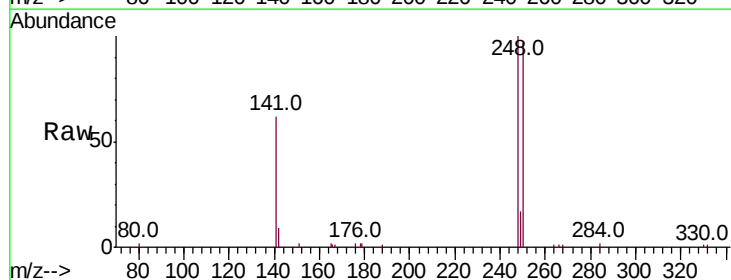
Tgt Ion:248 Resp: 7098

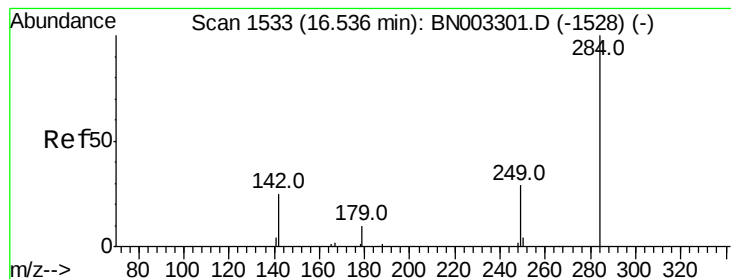
Ion Ratio Lower Upper

248 100

250 97.2 83.7 125.5

141 61.5 31.4 47.0#





#21

Hexachlorobenzene

Concen: 0.167 ng

RT: 16.54 min Scan# 1533

Delta R.T. 0.00 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Instrument :

BNA_N

ClientSampleId :

PB114224BS

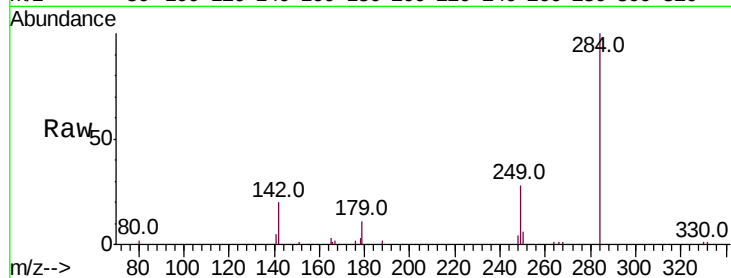
Tot Ion:284 Resp: 7768

Ion Ratio Lower Upper

284 100

142 36.5 29.7 44.5

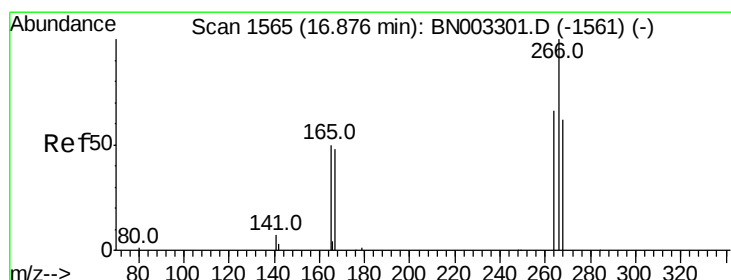
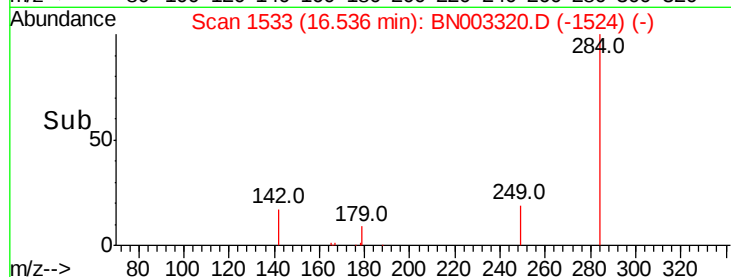
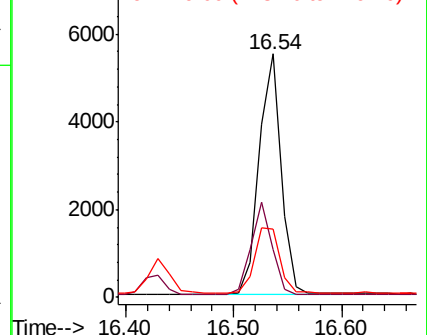
249 30.7 24.0 36.0



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: 0.239 ng

RT: 16.88 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

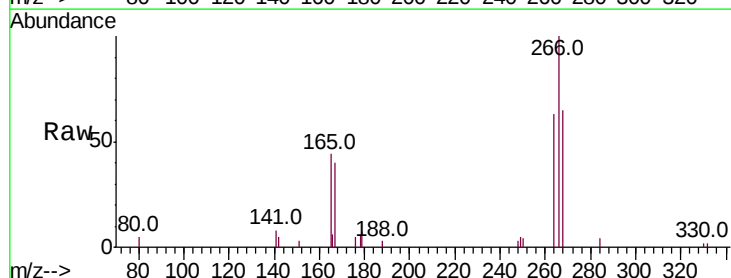
Tgt Ion:266 Resp: 3015

Ion Ratio Lower Upper

266 100

264 62.9 52.1 78.1

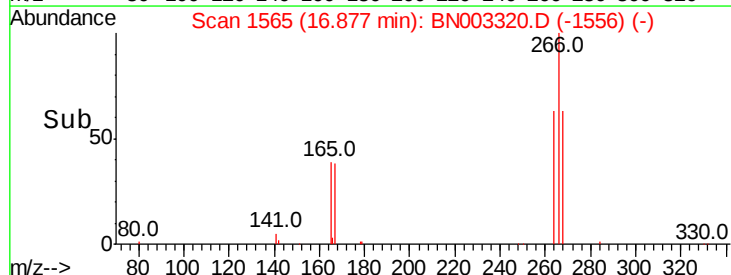
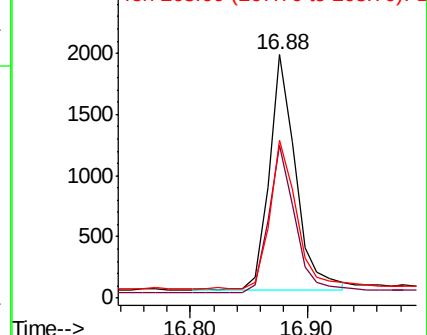
268 65.1 51.8 77.6

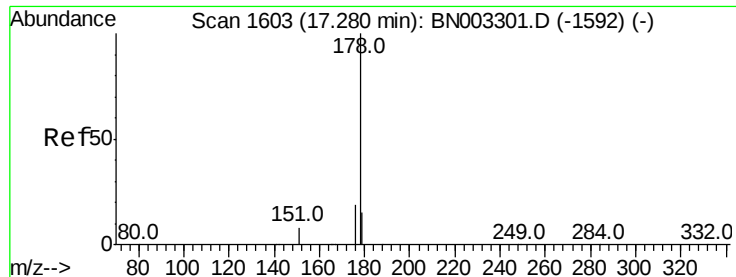


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.181 ng

RT: 17.28 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Instrument :

BNA_N

ClientSampleId :

PB114224BS

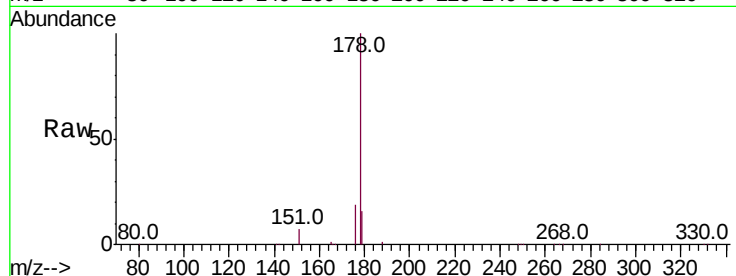
Tot Ion:178 Resp: 37860

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

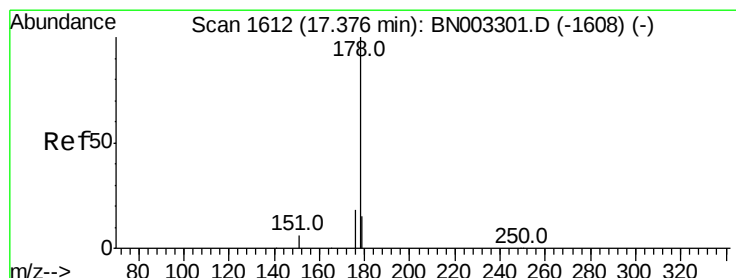
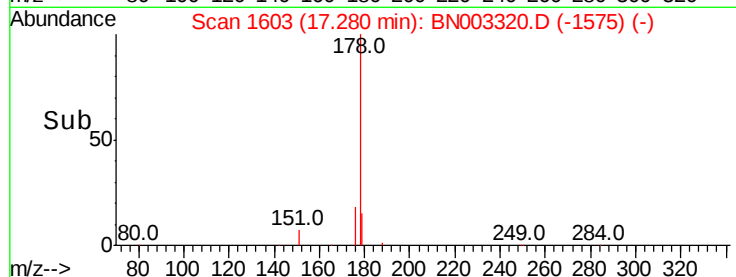
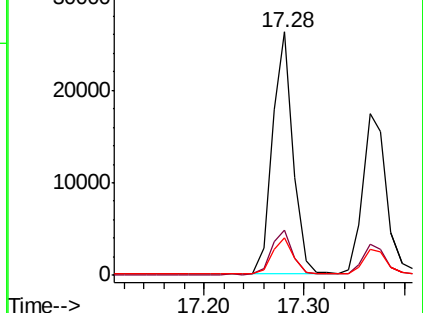
179 15.5 12.4 18.6



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: 0.161 ng

RT: 17.37 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

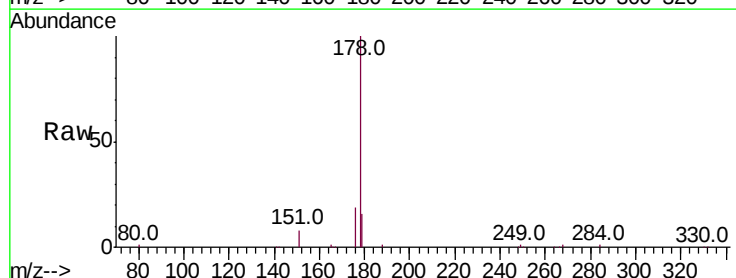
Tgt Ion:178 Resp: 28866

Ion Ratio Lower Upper

178 100

176 18.3 14.5 21.7

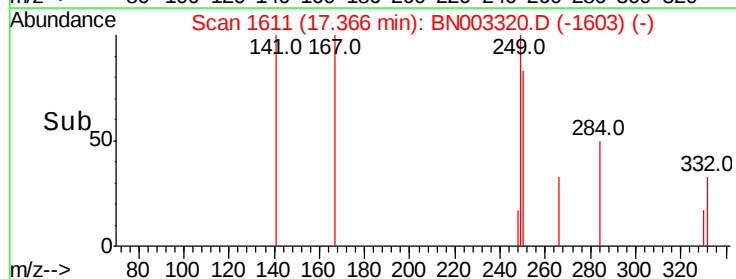
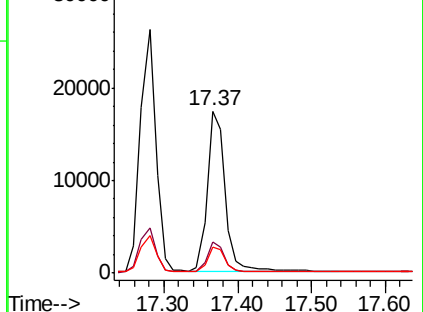
179 15.4 12.2 18.4

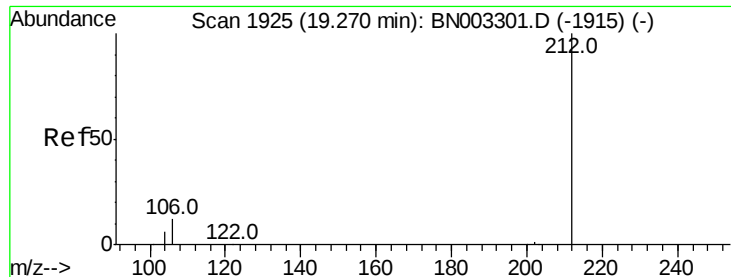


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.151 ng

RT: 19.26 min Scan# 1924

Delta R.T. -0.00 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Instrument :

BNA_N

ClientSampleId :

PB114224BS

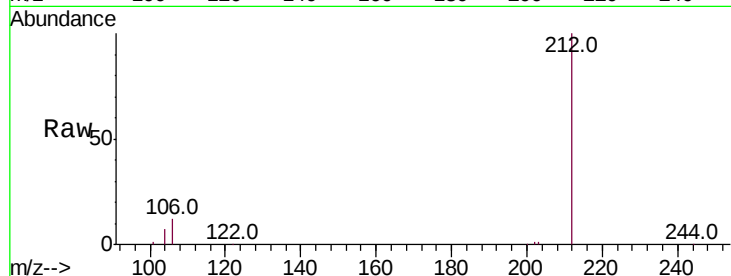
Tot Ion:212 Resp: 33485

Ion Ratio Lower Upper

212 100

106 12.5 10.3 15.5

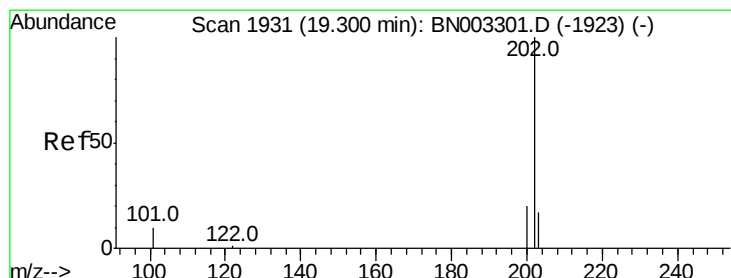
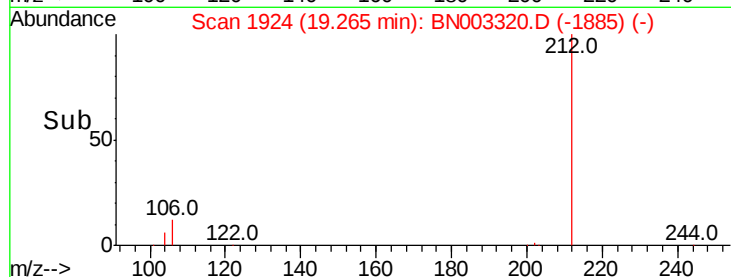
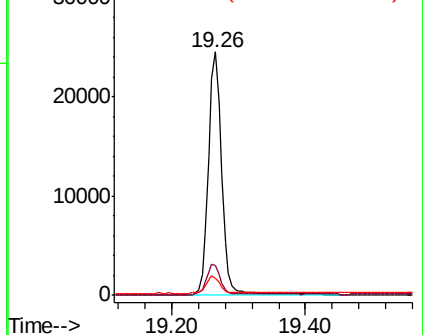
104 7.1 5.6 8.4



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: 0.163 ng

RT: 19.29 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

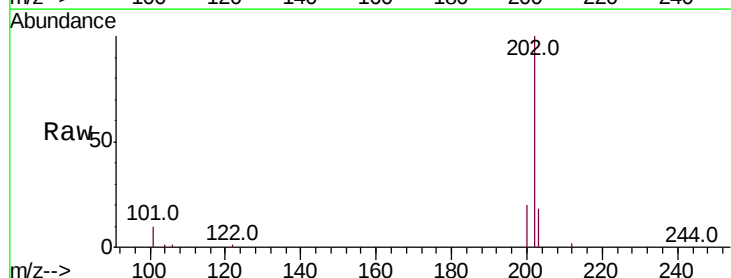
Tgt Ion:202 Resp: 39059

Ion Ratio Lower Upper

202 100

101 11.1 9.0 13.4

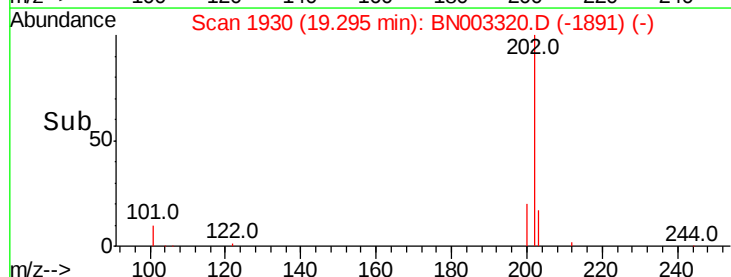
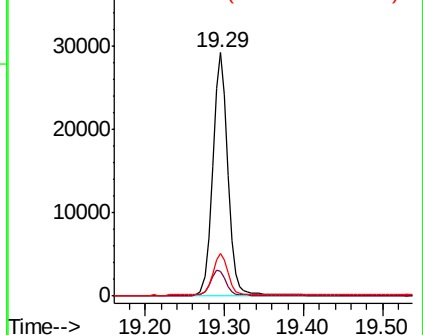
203 17.0 13.8 20.6

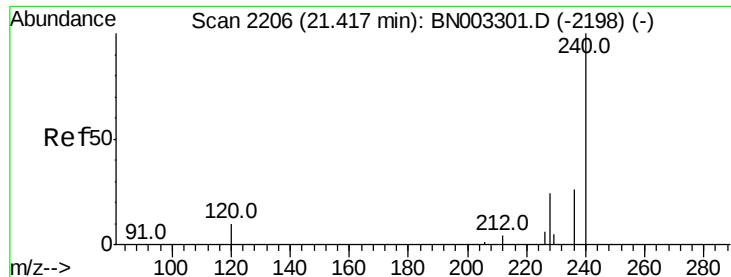


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

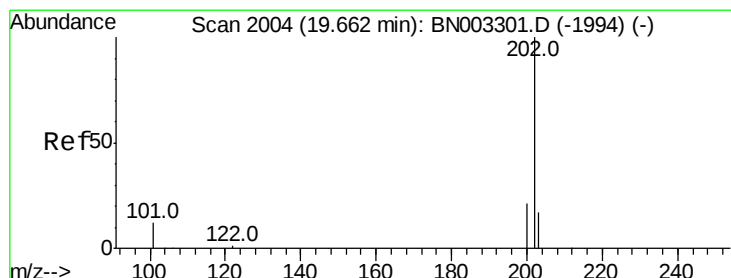
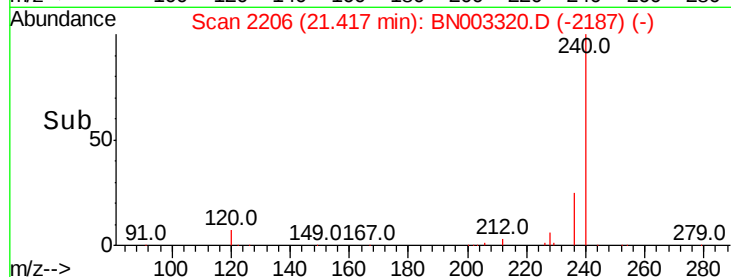
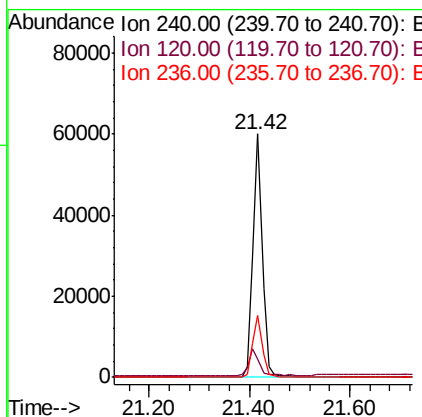
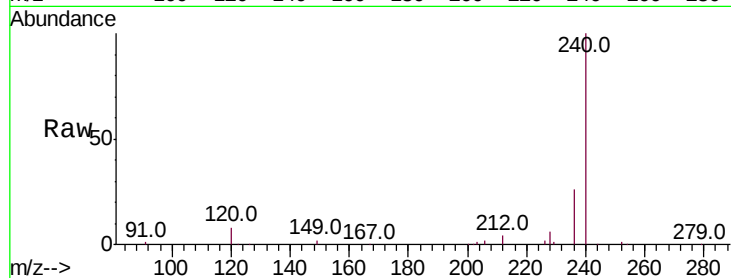




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BN003320.D
Acq: 27 Oct 2018 00:15

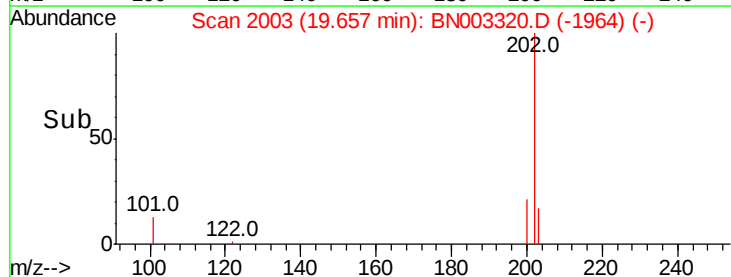
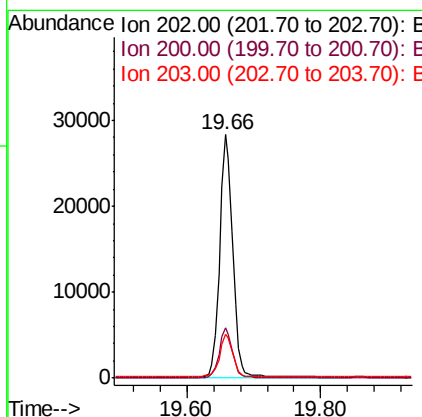
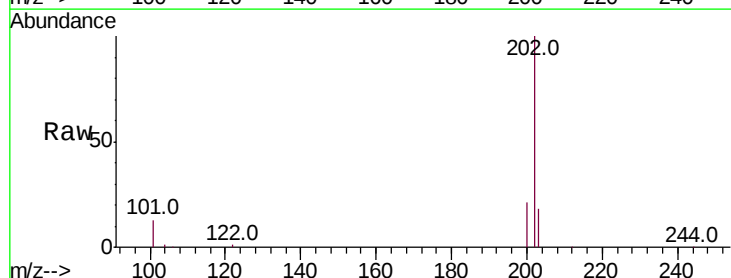
Instrument :
BNA_N
ClientSampleId :
PB114224BS

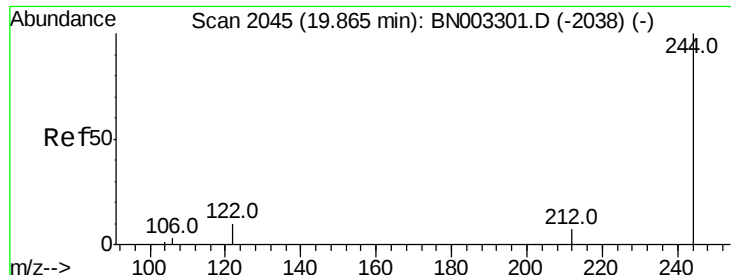
Tot Ion:240 Resp: 75664
Ion Ratio Lower Upper
240 100
120 7.8 9.3 13.9#
236 25.5 21.0 31.4



#28
Pyrene
Concen: 0.184 ng
RT: 19.66 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BN003320.D
Acq: 27 Oct 2018 00:15

Tgt Ion:202 Resp: 38473
Ion Ratio Lower Upper
202 100
200 20.5 16.5 24.7
203 18.0 13.9 20.9





#29

Terphenyl-d14

Concen: 0.168 ng

RT: 19.86 min Scan# 2044

Delta R.T. -0.00 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Instrument :

BNA_N

ClientSampleId :

PB114224BS

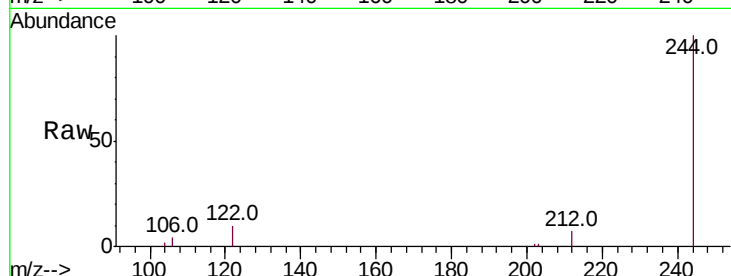
Tot Ion:244 Resp: 29598

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

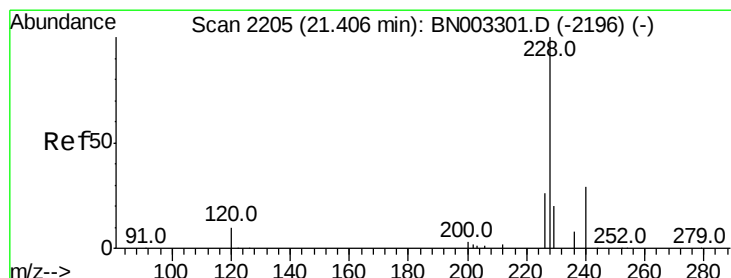
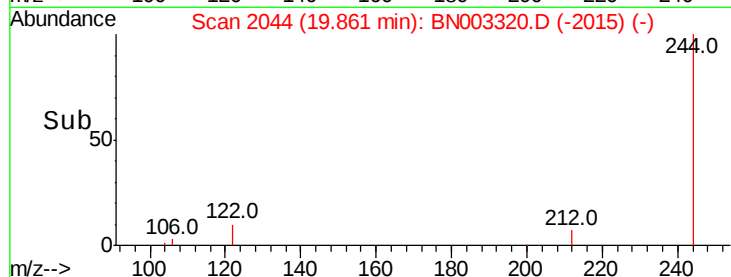
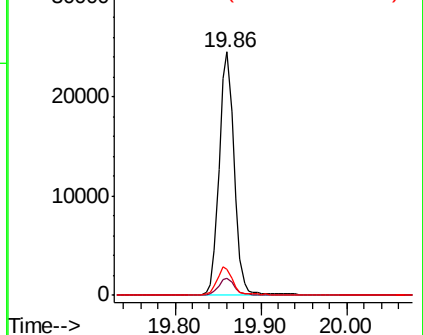
122 10.5 8.5 12.7



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: 0.163 ng

RT: 21.40 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

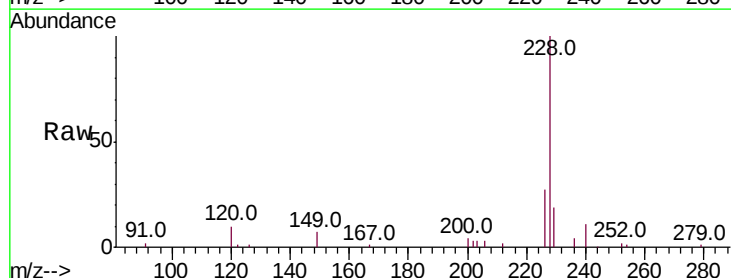
Tgt Ion:228 Resp: 32368

Ion Ratio Lower Upper

228 100

226 27.4 20.8 31.2

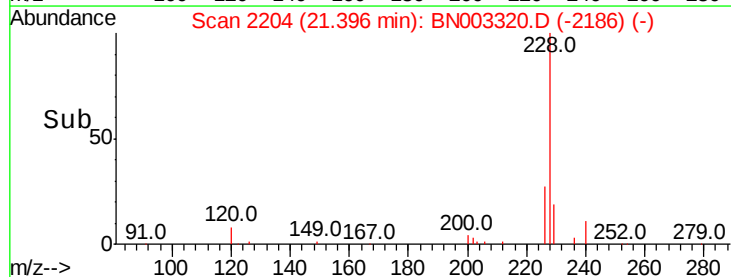
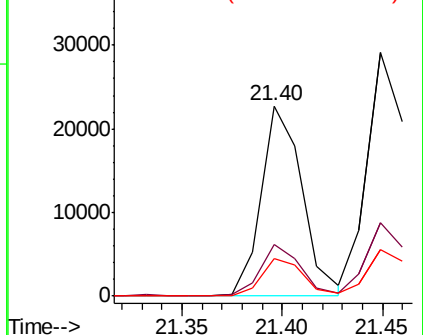
229 19.4 16.1 24.1

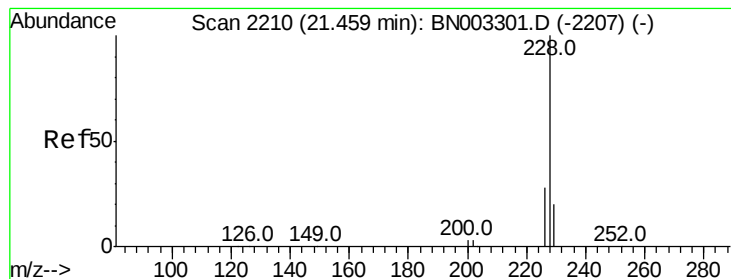


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.184 ng

RT: 21.45 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Instrument :

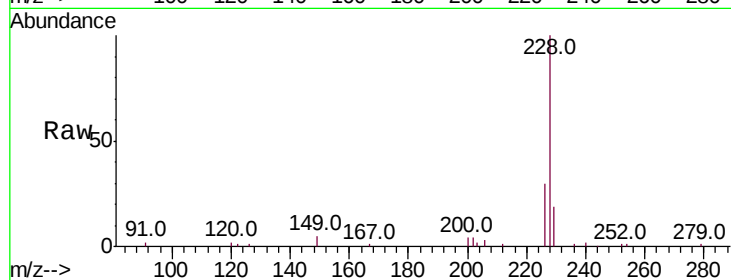
BNA_N

ClientSampleId :

PB114224BS

Tot Ion:228 Resp: 39337

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.7	34.1
229	19.2	16.0	24.0

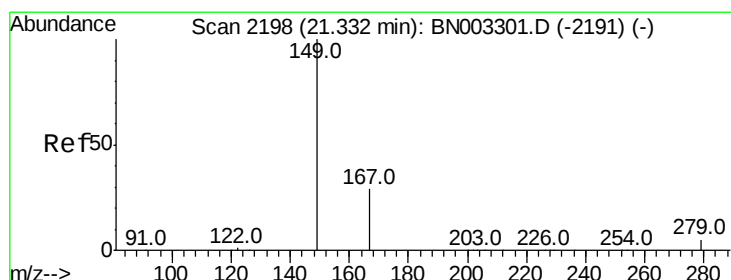
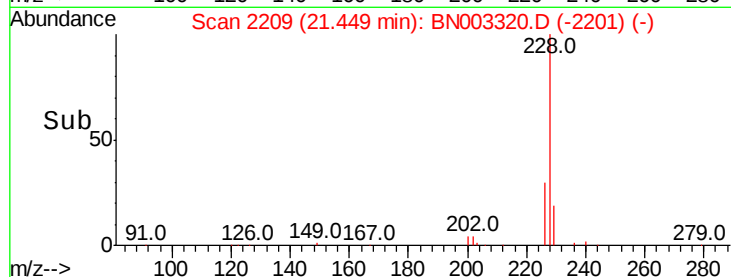
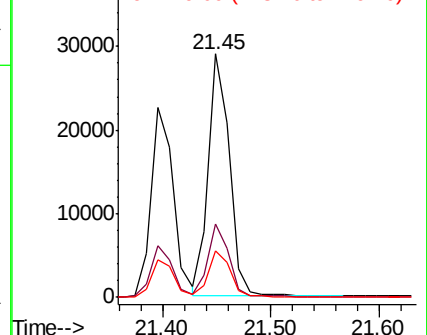


Abundance

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: 0.136 ng

RT: 21.32 min Scan# 2197

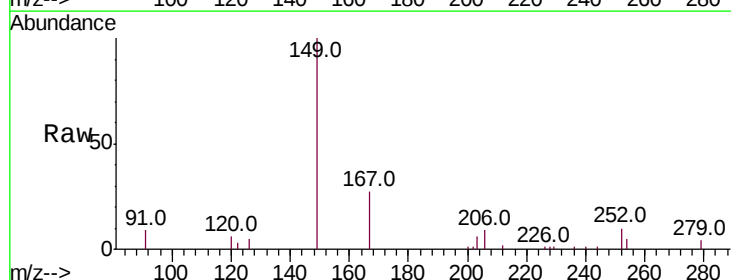
Delta R.T. -0.01 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Tgt Ion:149 Resp: 8008

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.4	33.6
279	5.4	3.9	5.9

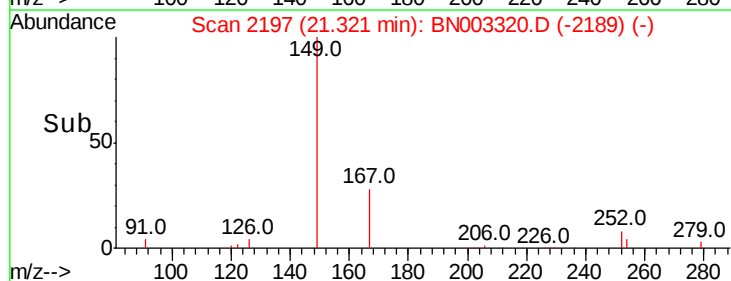
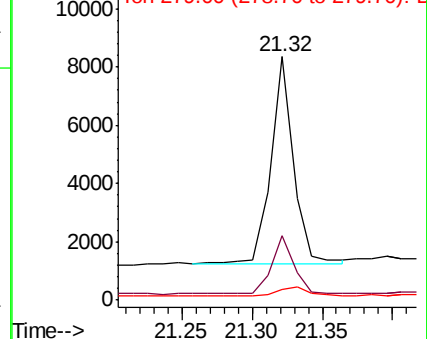


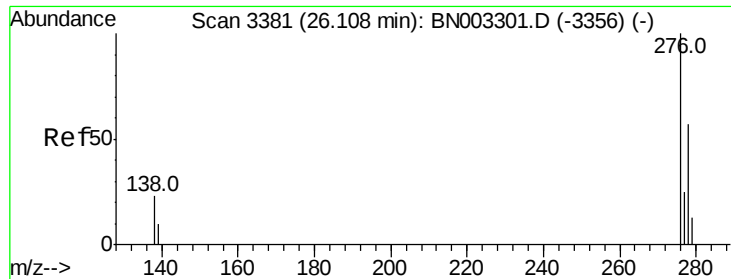
Abundance

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: 0.164 ng

RT: 26.10 min Scan# 3378

Delta R.T. -0.01 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Instrument :

BNA_N

ClientSampleId :

PB114224BS

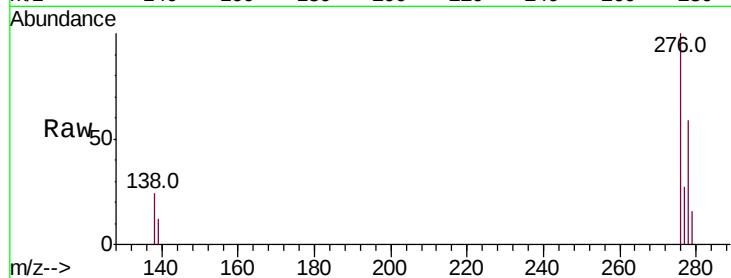
Tot Ion:276 Resp: 36390

Ion Ratio Lower Upper

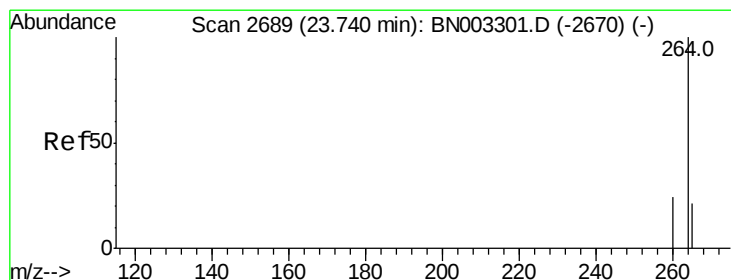
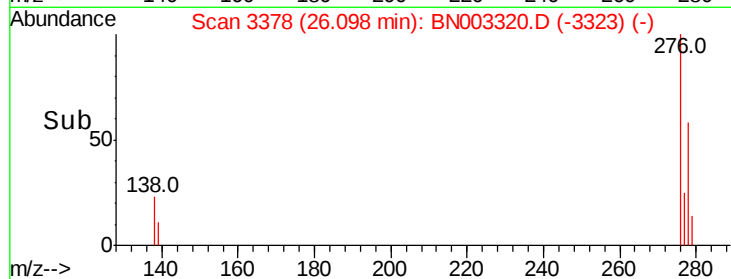
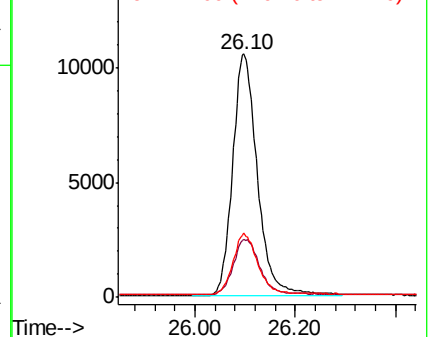
276 100

138 23.8 20.6 30.8

277 24.8 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: 23.74 min Scan# 2688

Delta R.T. -0.00 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

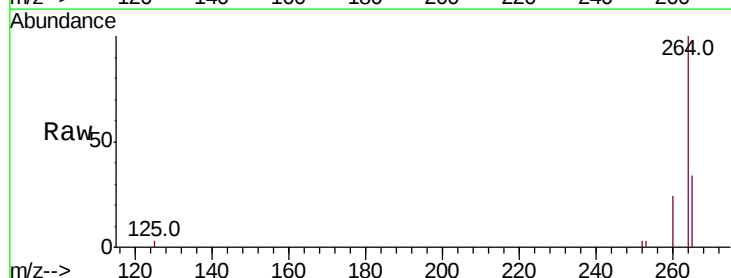
Tgt Ion:264 Resp: 63503

Ion Ratio Lower Upper

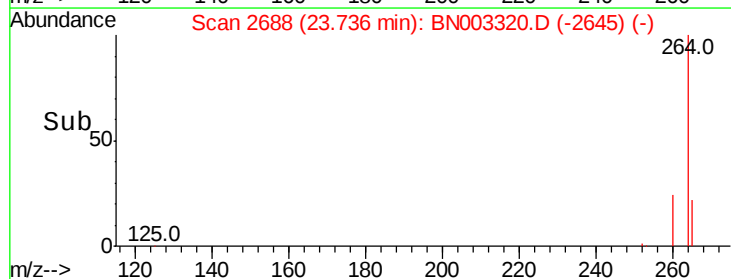
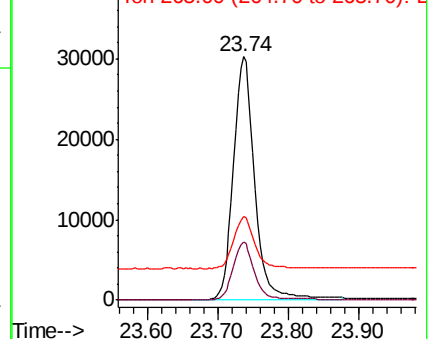
264 100

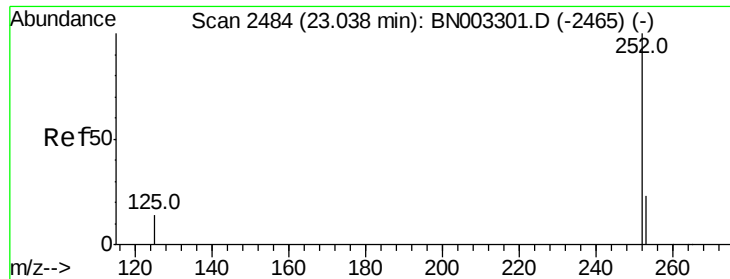
260 24.1 19.1 28.7

265 34.4 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

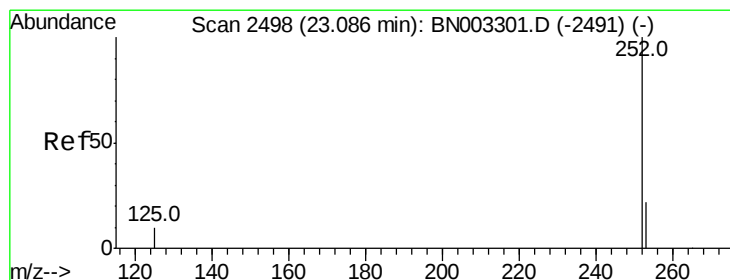
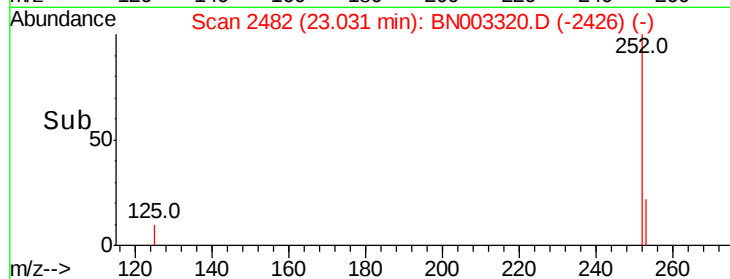
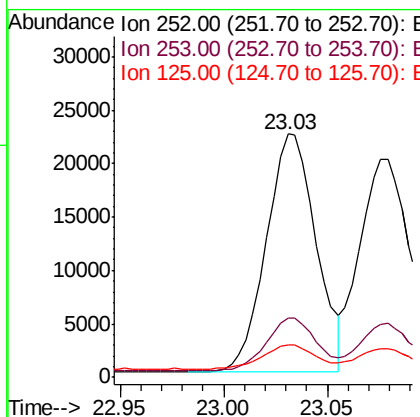
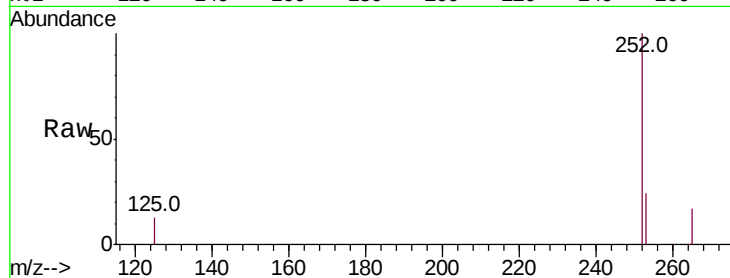




#35
Benzo(b)fluoranthene
Concen: 0.190 ng
RT: 23.03 min Scan# 2482
Delta R.T. -0.01 min
Lab File: BN003320.D
Acq: 27 Oct 2018 00:15

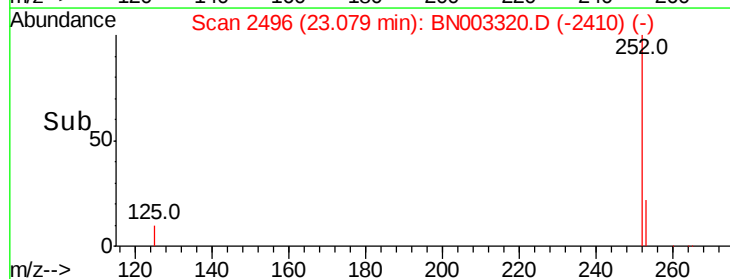
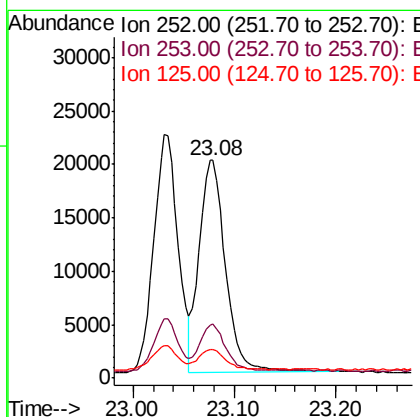
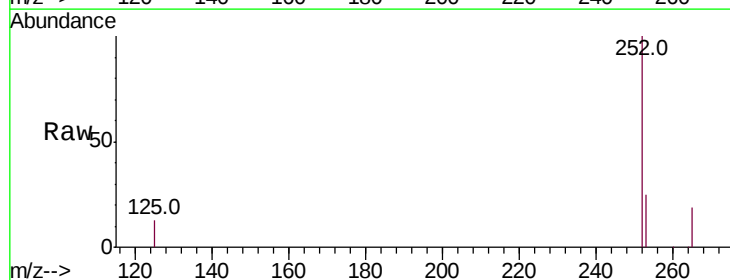
Instrument :
BNA_N
ClientSampleId :
PB114224BS

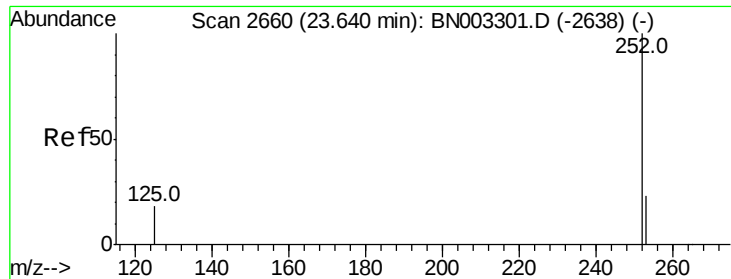
Tot Ion:252 Resp: 37191
Ion Ratio Lower Upper
252 100
253 24.1 19.3 28.9
125 13.4 12.7 19.1



#36
Benzo(k)fluoranthene
Concen: 0.182 ng
RT: 23.08 min Scan# 2496
Delta R.T. -0.01 min
Lab File: BN003320.D
Acq: 27 Oct 2018 00:15

Tgt Ion:252 Resp: 35697
Ion Ratio Lower Upper
252 100
253 24.8 18.5 27.7
125 13.2 9.1 13.7





#37

Benzo(a)pyrene

Concen: 0.166 ng

RT: 23.63 min Scan# 2658

Delta R.T. -0.01 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Instrument :

BNA_N

ClientSampleId :

PB114224BS

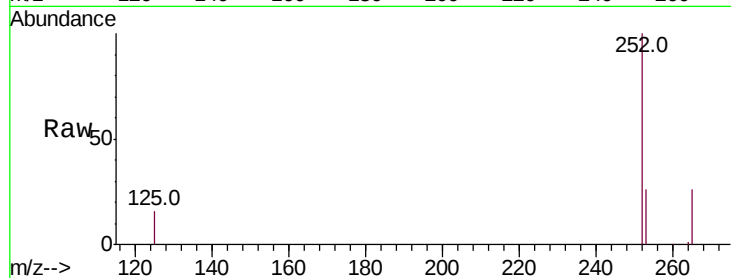
Tot Ion:252 Resp: 29957

Ion Ratio Lower Upper

252 100

253 25.8 20.1 30.1

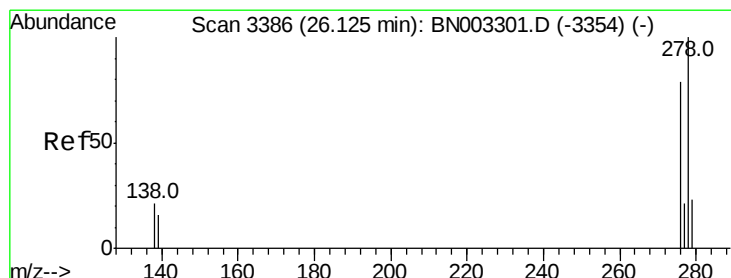
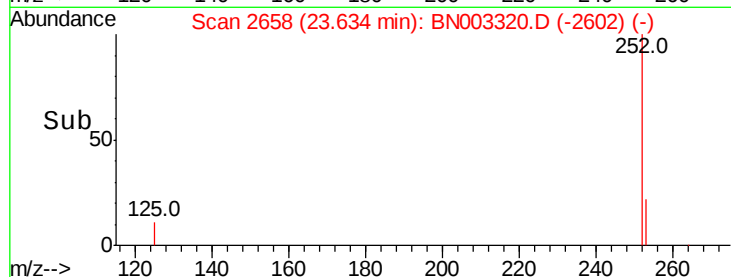
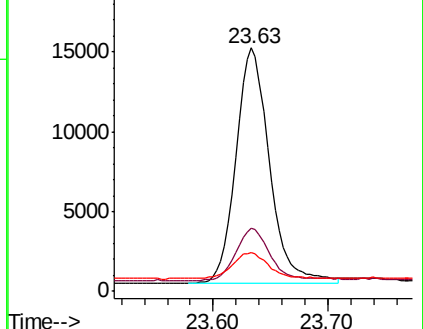
125 15.9 16.0 24.0#



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: 0.177 ng

RT: 26.12 min Scan# 3384

Delta R.T. -0.01 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

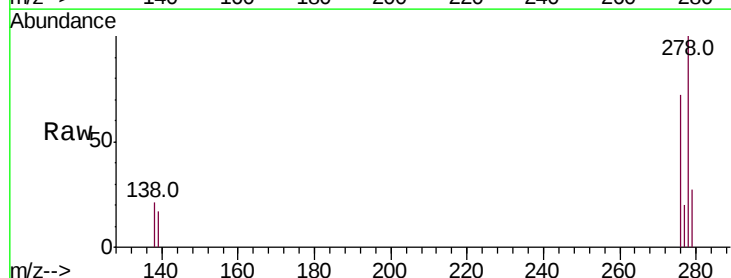
Tgt Ion:278 Resp: 29808

Ion Ratio Lower Upper

278 100

139 16.7 13.5 20.3

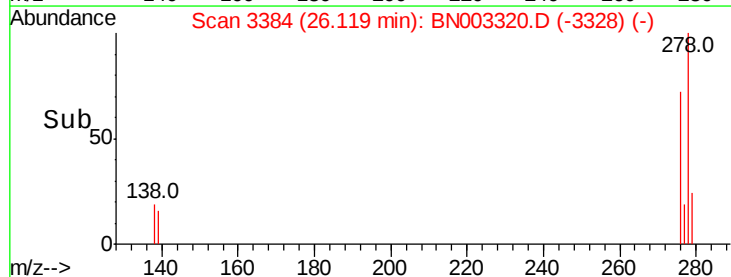
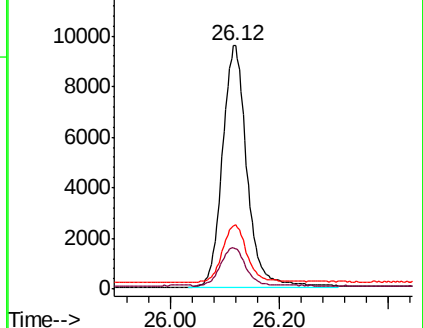
279 26.6 19.8 29.6

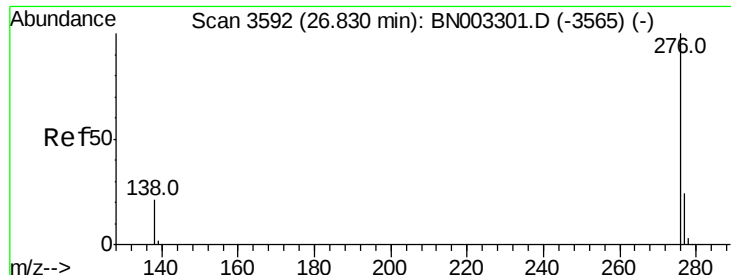


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.199 ng

RT: 26.82 min Scan# 3590

Delta R.T. -0.01 min

Lab File: BN003320.D

Acq: 27 Oct 2018 00:15

Instrument :

BNA_N

ClientSampleId :

PB114224BS

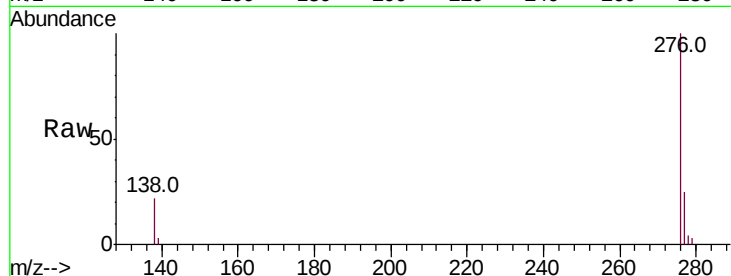
Tot Ion:276 Resp: 33420

Ion Ratio Lower Upper

276 100

277 24.8 19.5 29.3

138 22.2 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

