

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012420\
 Data File : BN009438.D
 Acq On : 24 Jan 2020 12:27
 Operator : CG/JU
 Sample : L1225-01MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PF-5MS

Quant Time: Jan 24 14:29:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 14 09:33:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	2219	0.40	ng	0.00
7) Naphthalene-d8	10.22	136	7859	0.40	ng	-0.01
13) Acenaphthene-d10	14.09	164	4830	0.40	ng	-0.02
19) Phenanthrene-d10	16.85	188	9999	0.40	ng	-0.02
27) Chrysene-d12	21.06	240	8024	0.40	ng	-0.01
34) Perylene-d12	23.18	264	9662	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.12	112	1500	0.29	ng	0.00
5) Phenol-d6	6.66	99	2042	0.35	ng	-0.02
8) Nitrobenzene-d5	8.61	82	1773	0.28	ng	-0.03
11) 2-Methylnaphthalene-d10	11.81	152	3529	0.23	ng	-0.02
14) 2,4,6-Tribromophenol	15.61	330	489	0.27	ng	-0.02
15) 2-Fluorobiphenyl	12.71	172	4810	0.27	ng	-0.02
25) Fluoranthene-d10	18.89	212	6144	0.18	ng	-0.01
29) Terphenyl-d14	19.51	244	4602	0.24	ng	-0.01

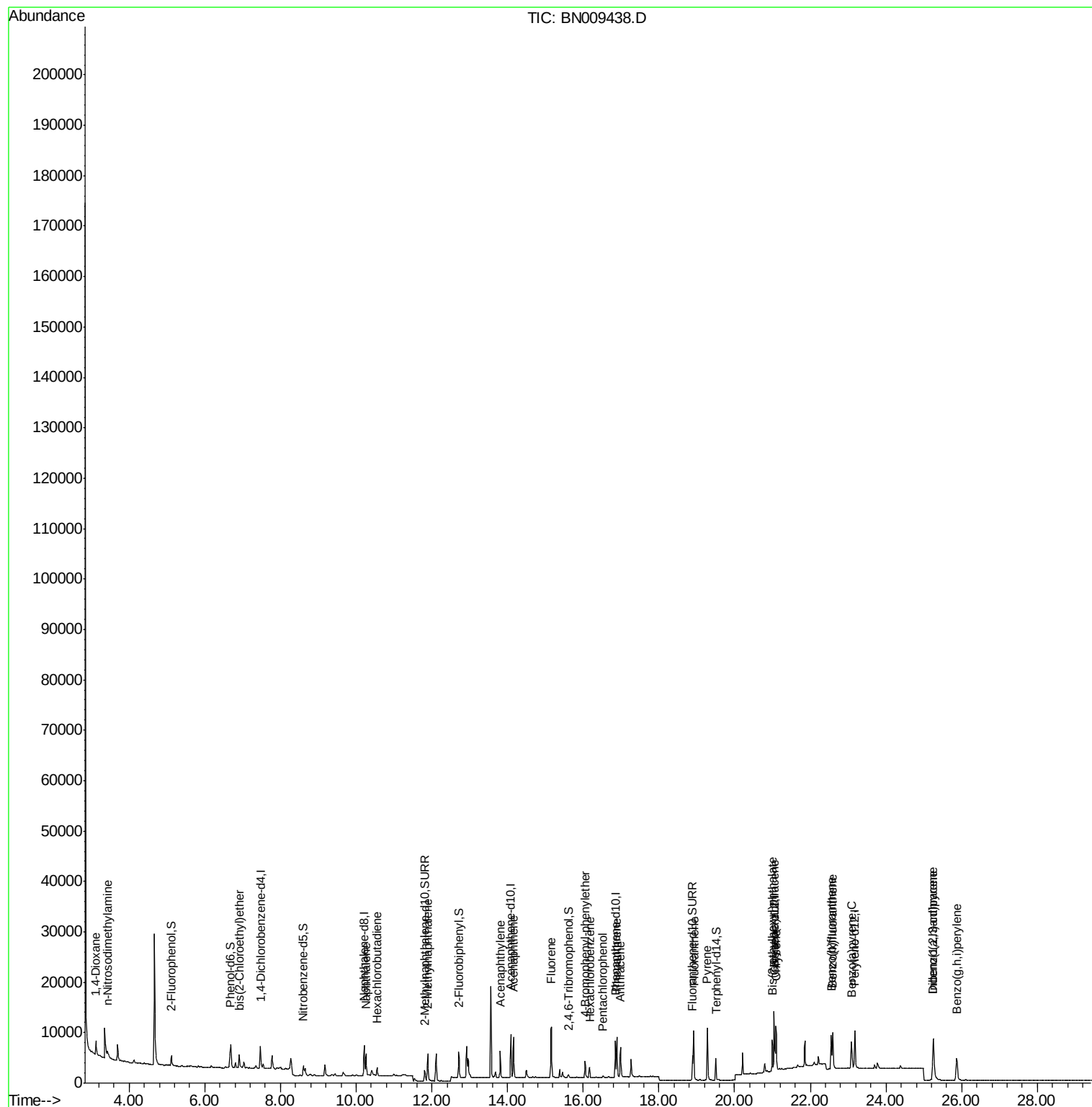
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.13	88	1121	0.484	ng	# 78
3) n-Nitrosodimethylamine	3.43	42	1253	0.351	ng	# 89
6) bis(2-Chloroethyl)ether	6.91	93	1893	0.311	ng	92
9) Naphthalene	10.27	128	6138	0.289	ng	99
10) Hexachlorobutadiene	10.56	225	1226	0.263	ng	# 97
12) 2-Methylnaphthalene	11.89	142	4403	0.297	ng	100
16) Acenaphthylene	13.81	152	6079	0.292	ng	100
17) Acenaphthene	14.16	154	4060	0.277	ng	99
18) Fluorene	15.15	166	5250	0.275	ng	99
20) 4-Bromophenyl-phenylether	16.05	248	1714	0.285	ng	# 93
21) Hexachlorobenzene	16.17	284	1699	0.265	ng	98
22) Pentachlorophenol	16.53	266	291	0.274	ng	97
23) Phenanthrene	16.89	178	8423	0.280	ng	99
24) Anthracene	16.99	178	7175	0.284	ng	99
26) Fluoranthene	18.92	202	9291	0.264	ng	99
28) Pyrene	19.28	202	9821	0.323	ng	99
30) Benzo(a)anthracene	21.05	228	7858	0.298	ng	98
31) Chrysene	21.09	228	8400	0.278	ng	98
32) Bis(2-ethylhexyl)phthalate	20.99	149	5044	0.432	ng	99
33) Indeno(1,2,3-cd)pyrene	25.24	276	10227	0.326	ng	97
35) Benzo(b)fluoranthene	22.55	252	8407	0.237	ng	98
36) Benzo(k)fluoranthene	22.60	252	8834	0.225	ng	96
37) Benzo(a)pyrene	23.09	252	8231	0.263	ng	97
38) Dibenzo(a,h)anthracene	25.25	278	8116	0.258	ng	97
39) Benzo(g,h,i)perylene	25.87	276	9155	0.264	ng	99

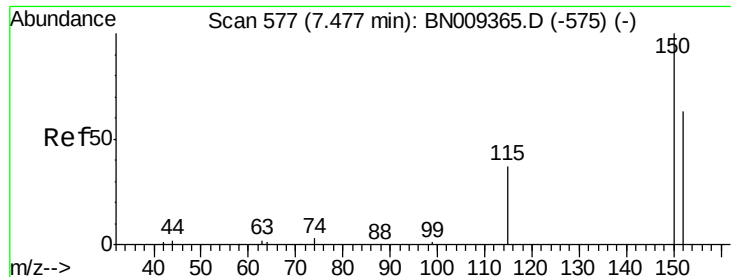
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

Instrument :

BNA_N

ClientSampled :

PF-5MS

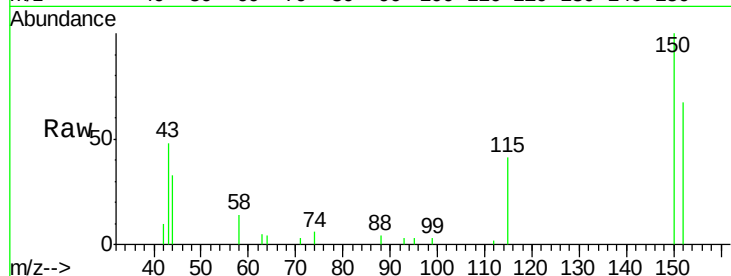
Tot Ion:152 Resp: 2219

Ion Ratio Lower Upper

152 100

150 148.6 125.7 188.5

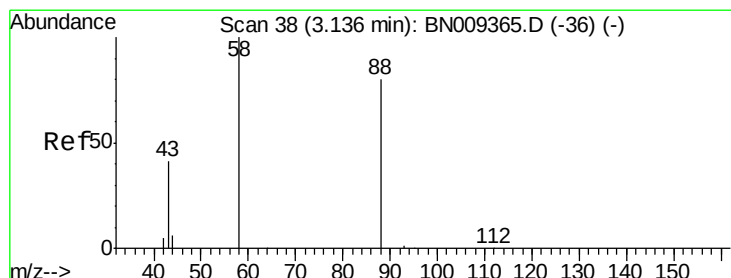
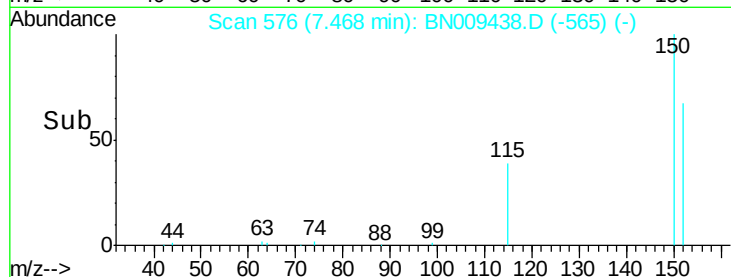
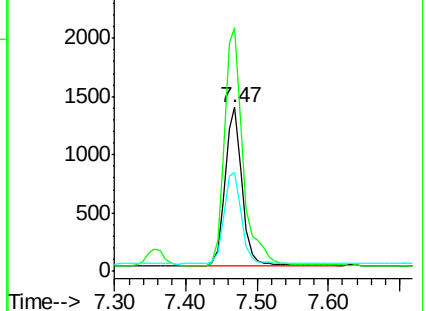
115 60.2 53.3 79.9



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: 0.484 ng

RT: 3.13 min Scan# 37

Delta R.T. -0.01 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

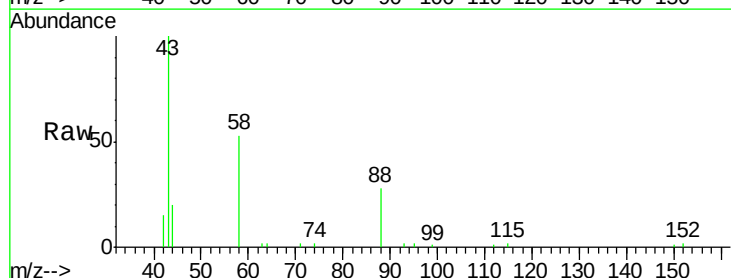
Tgt Ion: 88 Resp: 1121

Ion Ratio Lower Upper

88 100

58 113.2 100.2 150.2

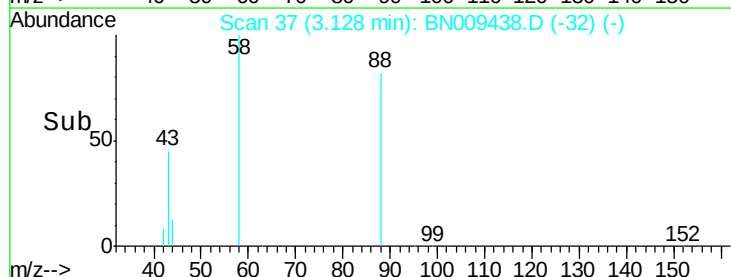
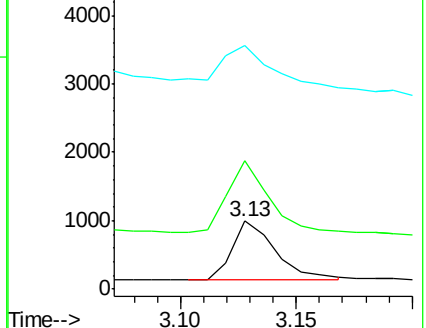
43 87.7 43.1 64.7#

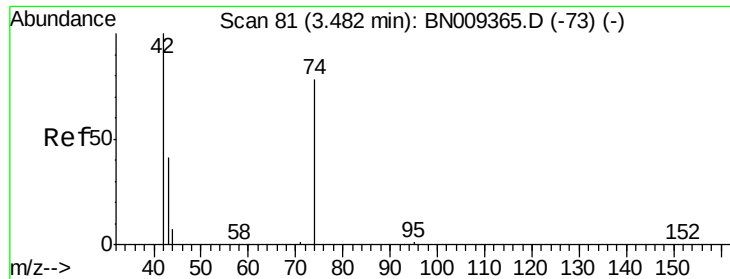


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC

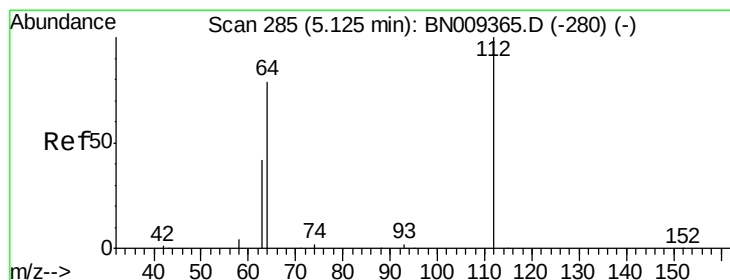
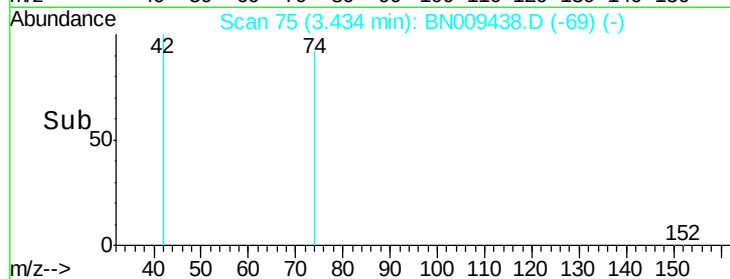
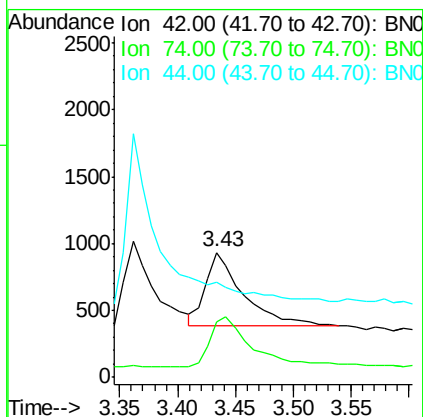
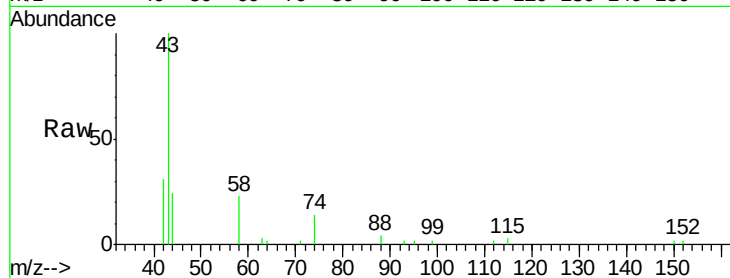




#3
n-Nitrosodimethylamine
Concen: 0.351 ng
RT: 3.43 min Scan# 75
Delta R.T. -0.05 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

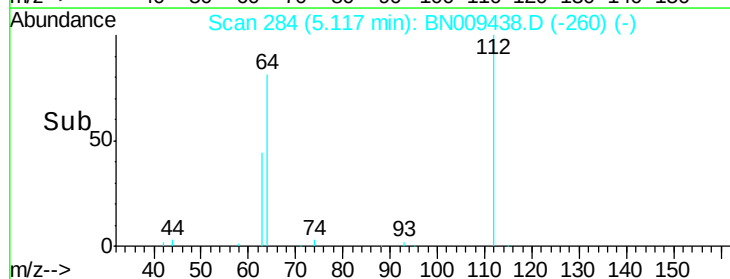
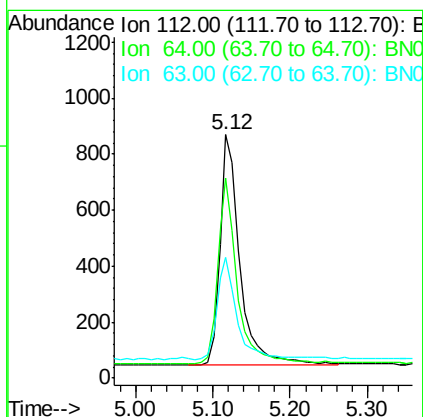
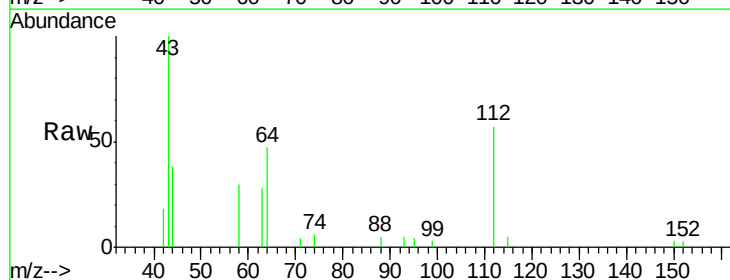
Instrument :
BNA_N
ClientSampleId :
PF-5MS

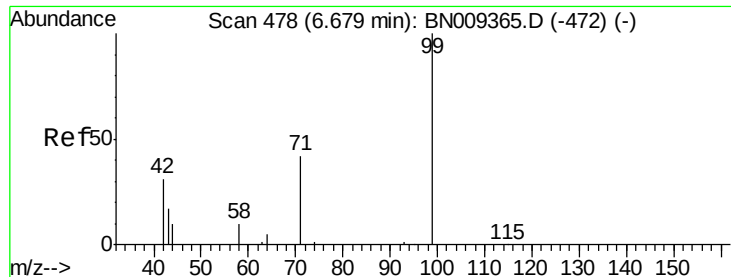
Tot Ion: 42 Resp: 1253
Ion Ratio Lower Upper
42 100
74 74.5 55.8 83.8
44 0.0 11.1 16.7#



#4
2-Fluorophenol
Concen: 0.294 ng
RT: 5.12 min Scan# 284
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion: 112 Resp: 1500
Ion Ratio Lower Upper
112 100
64 77.5 61.5 92.3
63 42.9 35.0 52.4





#5

Phenol-d6

Concen: 0.345 ng

RT: 6.66 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

Instrument :

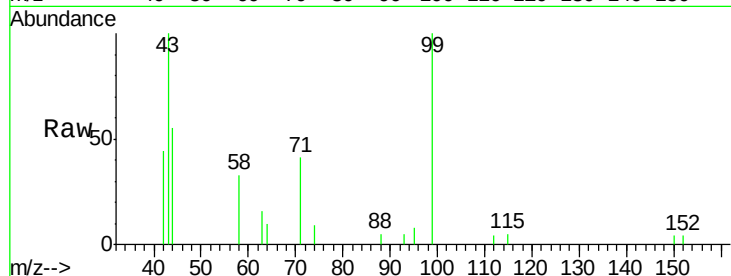
BNA_N

ClientSampleId :

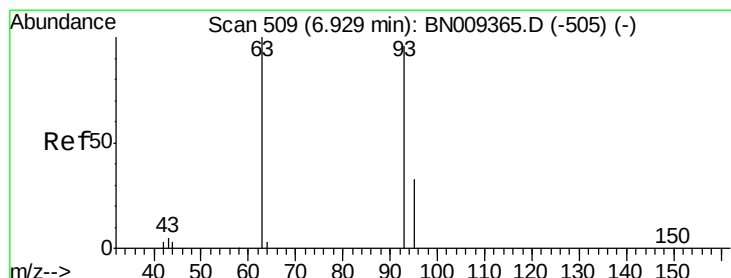
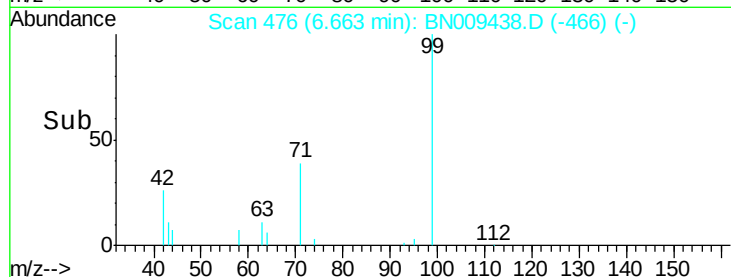
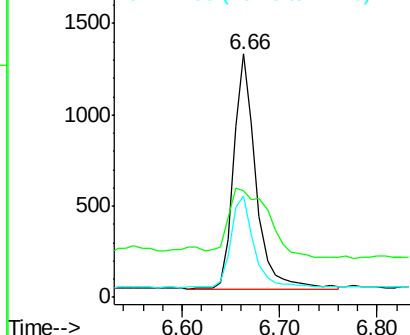
PF-5MS

Tot Ion: 99 Resp: 2042

Ion	Ratio	Lower	Upper
99	100		
42	53.3	27.6	41.4#
71	40.8	33.0	49.6



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



#6

bis(2-Chloroethyl)ether

Concen: 0.311 ng

RT: 6.91 min Scan# 507

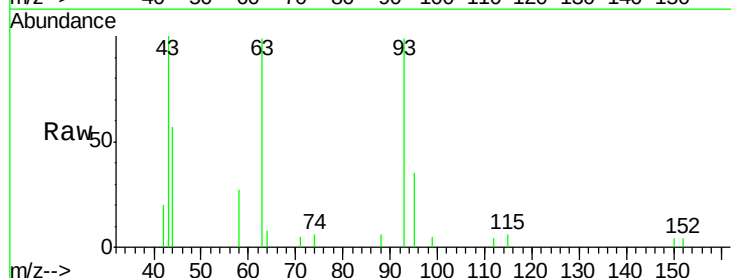
Delta R.T. -0.02 min

Lab File: BN009438.D

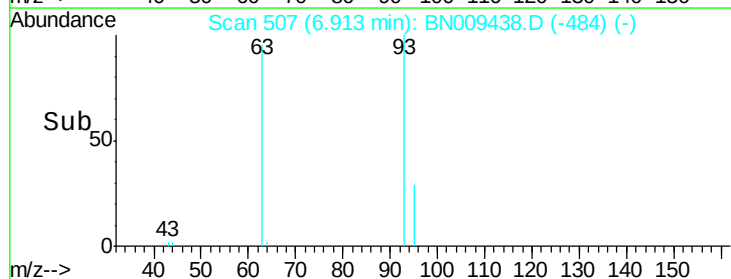
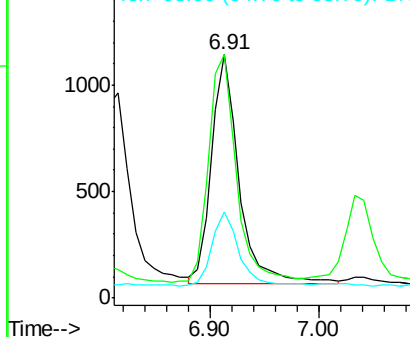
Acq: 24 Jan 2020 12:27

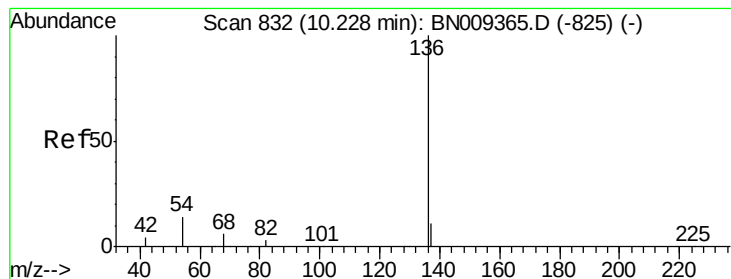
Tgt Ion: 93 Resp: 1893

Ion	Ratio	Lower	Upper
93	100		
63	99.0	85.1	127.7
95	31.4	30.2	45.4



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: 10.22 min Scan# 831

Delta R.T. -0.01 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

Instrument :

BNA_N

ClientSampleId :

PF-5MS

Tot Ion:136 Resp: 7859

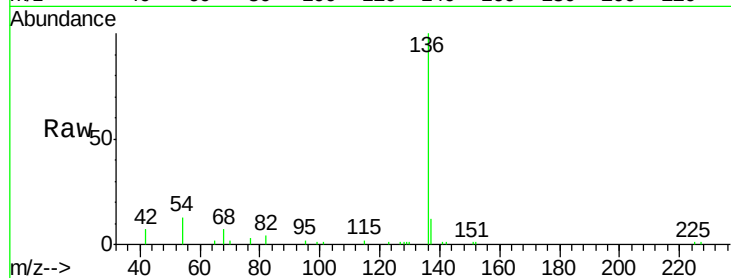
Ion Ratio Lower Upper

136 100

137 11.7 10.3 15.5

54 13.2 12.6 19.0

68 6.8 6.5 9.7

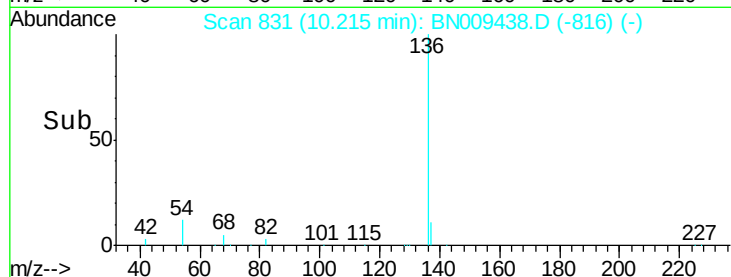


Abundance Ion 136.00 (135.70 to 136.70): E

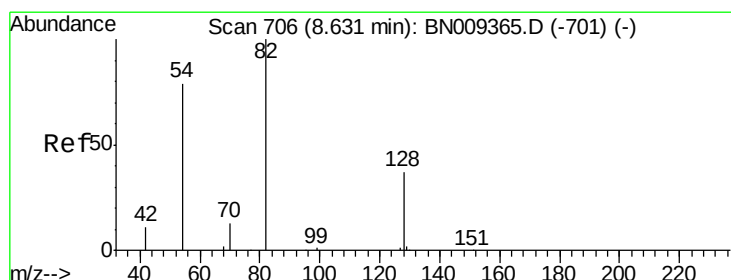
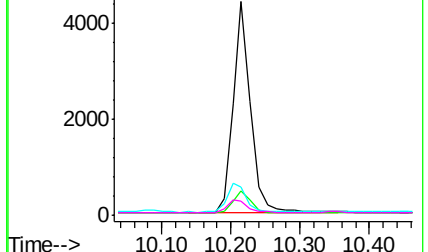
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



Time-->



#8

Nitrobenzene-d5

Concen: 0.283 ng

RT: 8.61 min Scan# 704

Delta R.T. -0.03 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

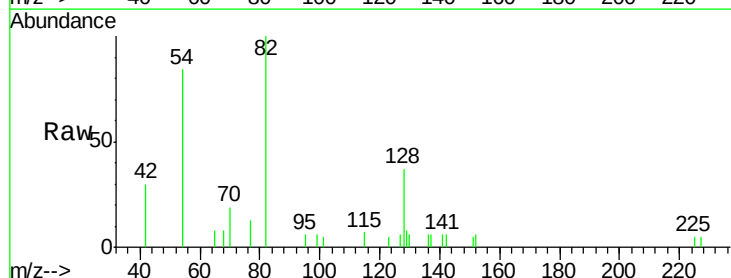
Tgt Ion: 82 Resp: 1773

Ion Ratio Lower Upper

82 100

128 37.1 34.8 52.2

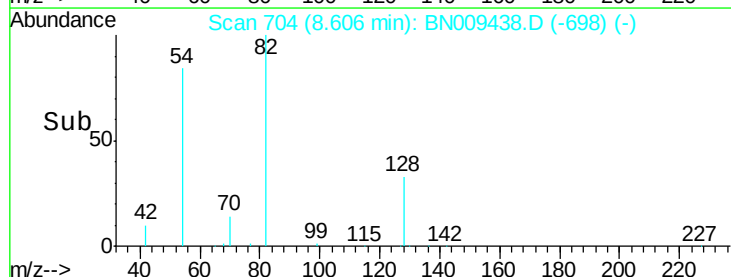
54 83.9 65.8 98.6



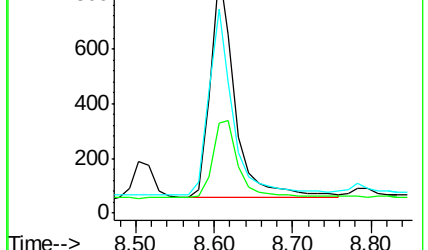
Abundance Ion 82.00 (81.70 to 82.70): BNC

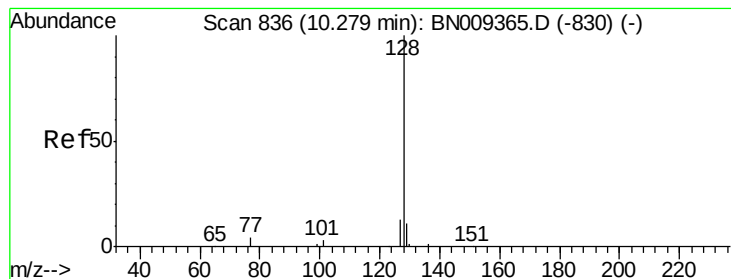
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC



Time-->





#9

Naphthalene

Concen: 0.289 ng

RT: 10.27 min Scan# 835

Delta R.T. -0.01 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

Instrument :

BNA_N

ClientSampleId :

PF-5MS

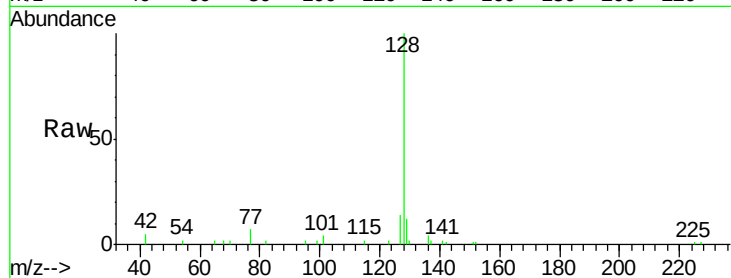
Tot Ion:128 Resp: 6138

Ion Ratio Lower Upper

128 100

129 12.4 10.4 15.6

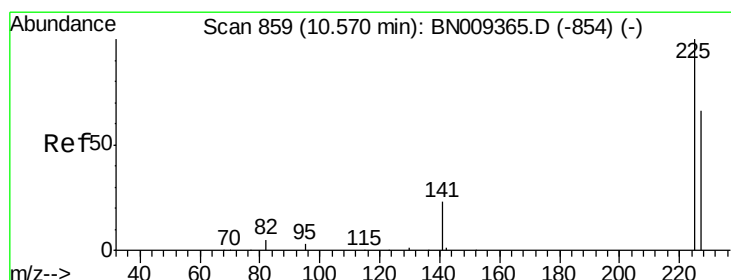
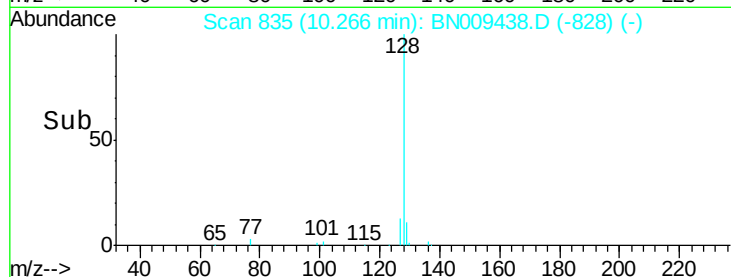
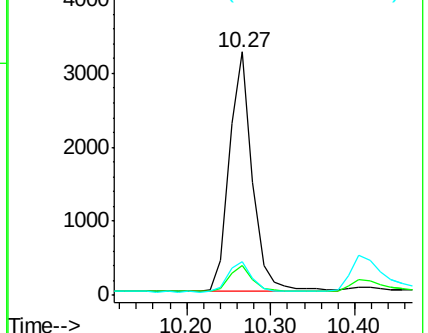
127 14.0 11.4 17.2



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: 0.263 ng

RT: 10.56 min Scan# 858

Delta R.T. -0.01 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

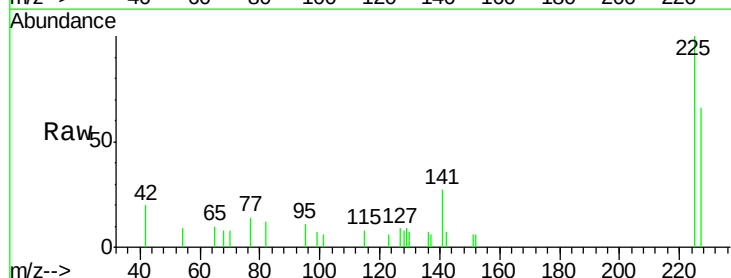
Tgt Ion:225 Resp: 1226

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

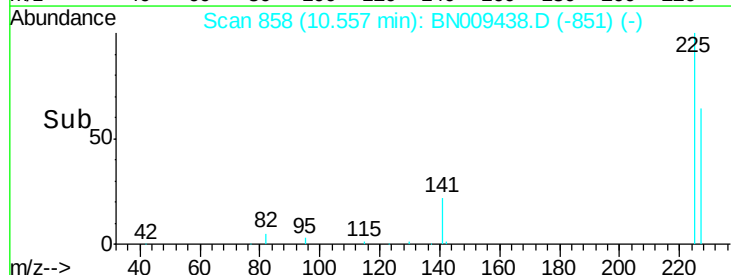
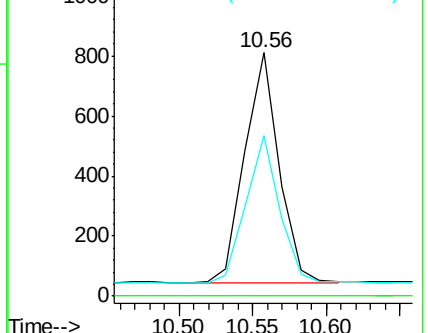
227 63.1 52.6 78.8

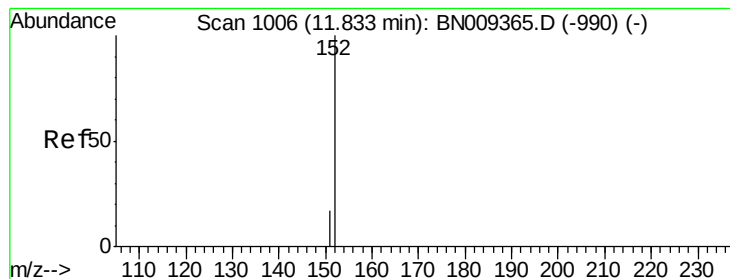


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.232 ng

RT: 11.81 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

Instrument :

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ClientSampleId :

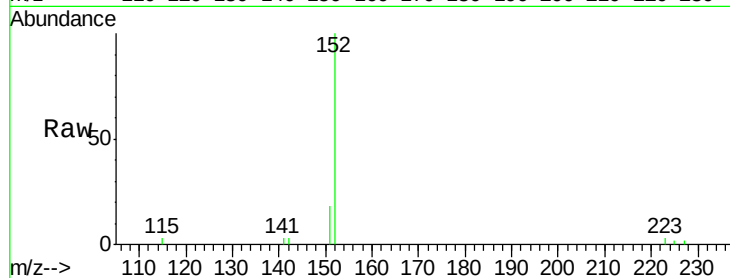
PF-5MS

Tot Ion:152 Resp: 3529

Ion Ratio Lower Upper

152 100

151 16.9 14.8 22.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.81

2000

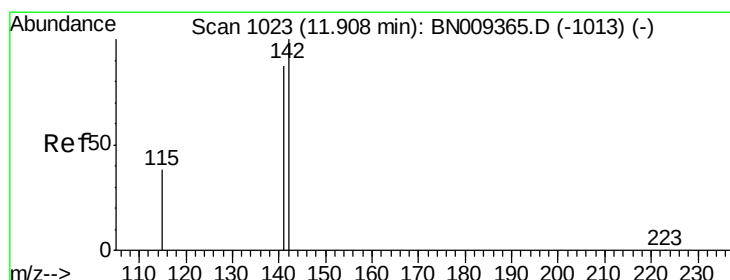
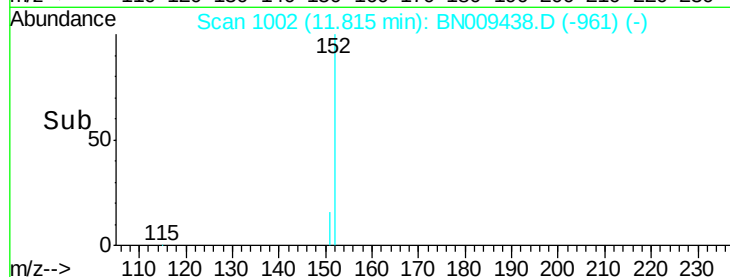
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.297 ng

RT: 11.89 min Scan# 1019

Delta R.T. -0.02 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

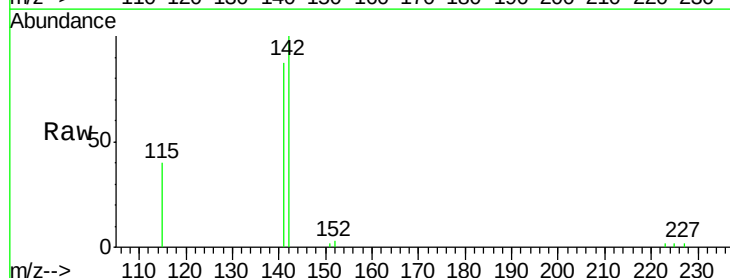
Tgt Ion:142 Resp: 4403

Ion Ratio Lower Upper

142 100

141 87.3 69.8 104.6

115 40.2 32.5 48.7



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

11.89

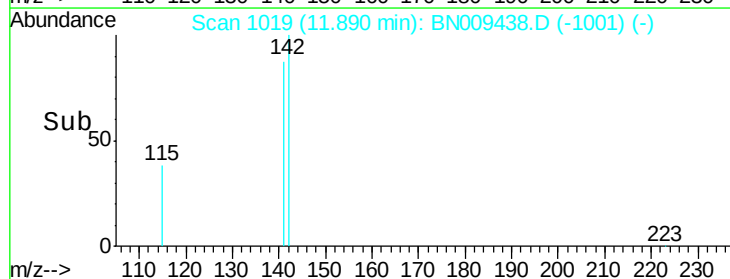
3000

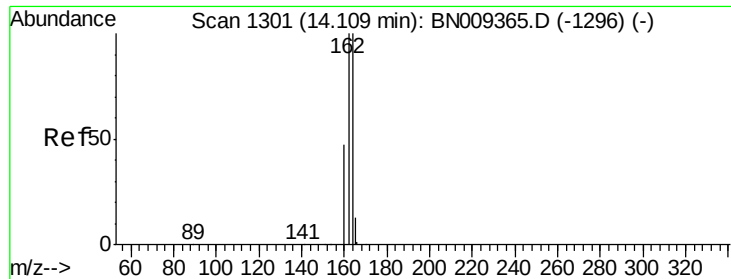
2000

1000

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.09 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

Instrument :

BNA_N

ClientSampleId :

PF-5MS

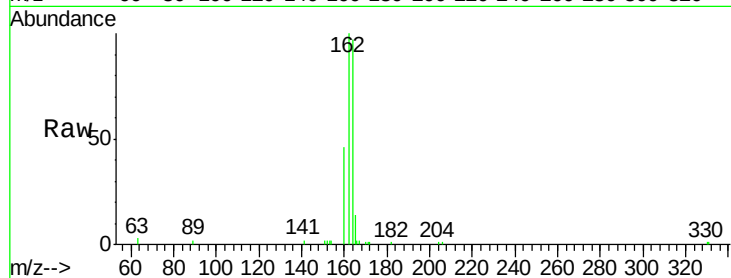
Tot Ion:164 Resp: 4830

Ion Ratio Lower Upper

164 100

162 103.4 79.8 119.6

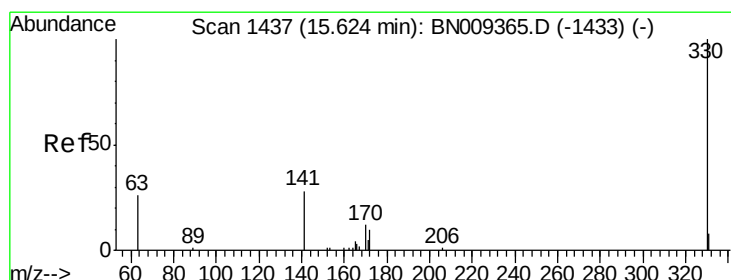
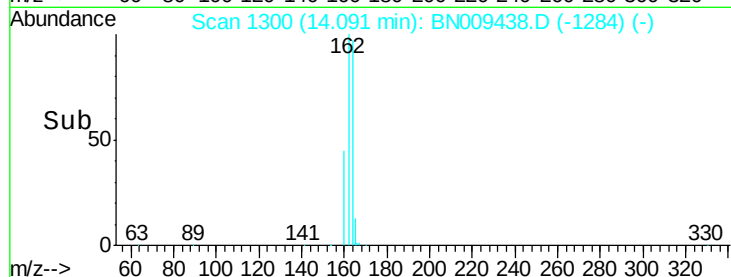
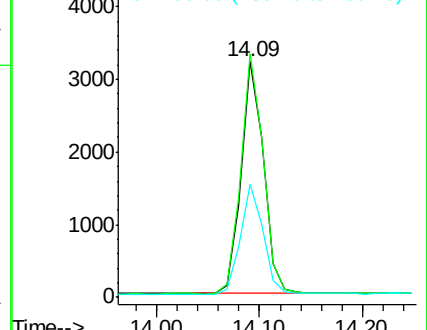
160 47.8 38.4 57.6



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: 0.268 ng

RT: 15.61 min Scan# 1436

Delta R.T. -0.02 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

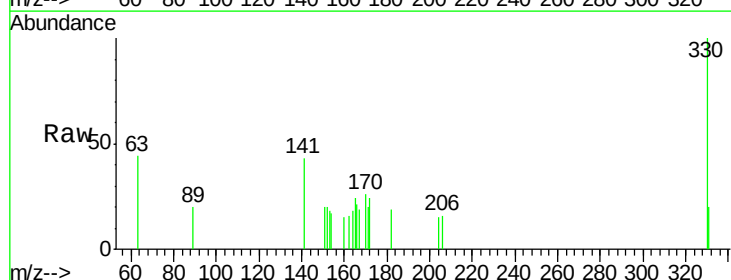
Tgt Ion:330 Resp: 489

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

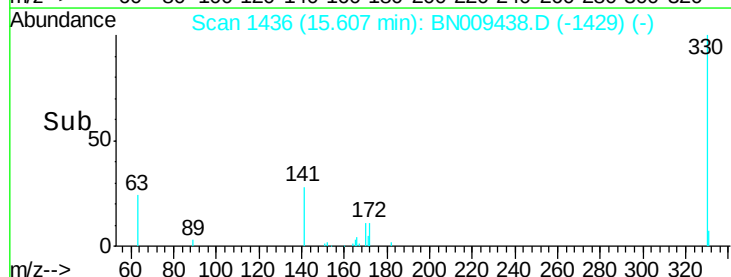
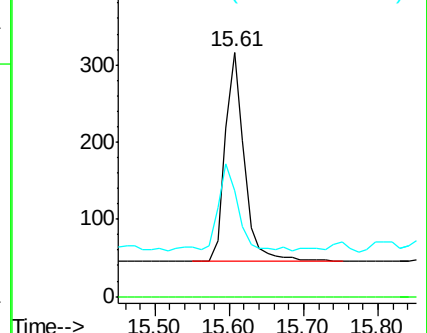
141 40.3 33.1 49.7

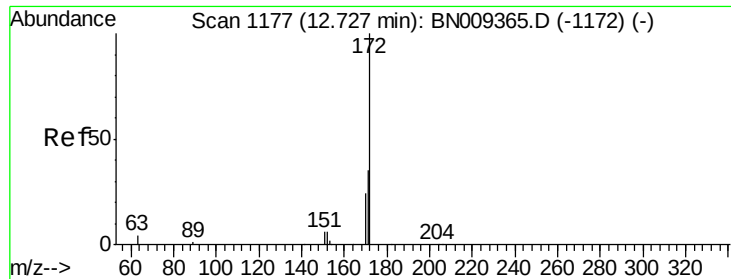


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

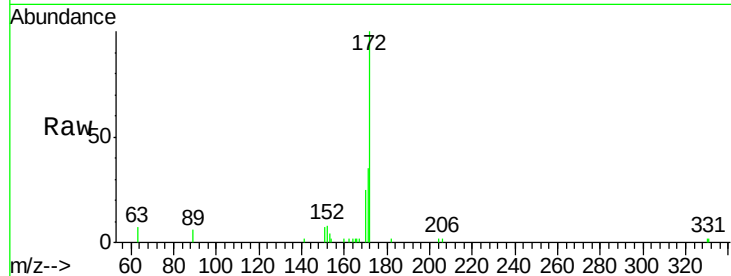




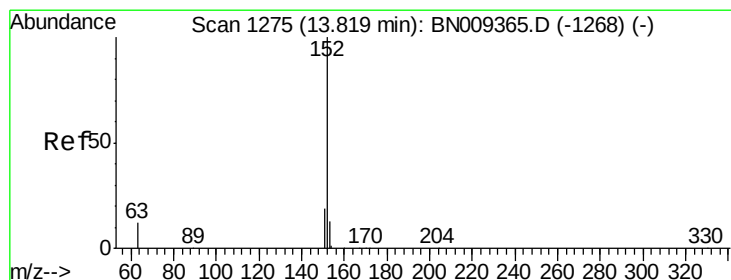
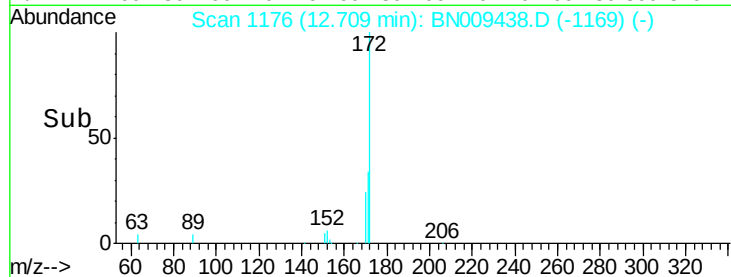
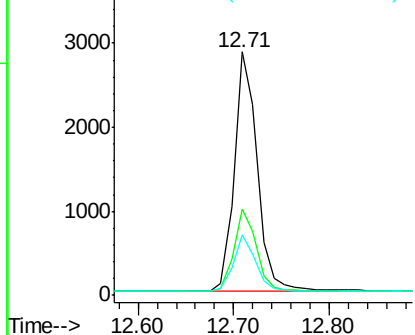
#15
2-Fluorobiphenyl
Concen: 0.266 ng
RT: 12.71 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Instrument :
BNA_N
ClientSampleId :
PF-5MS

Tot Ion:172 Resp: 4810
Ion Ratio Lower Upper
172 100
171 35.4 29.5 44.3
170 24.8 20.7 31.1

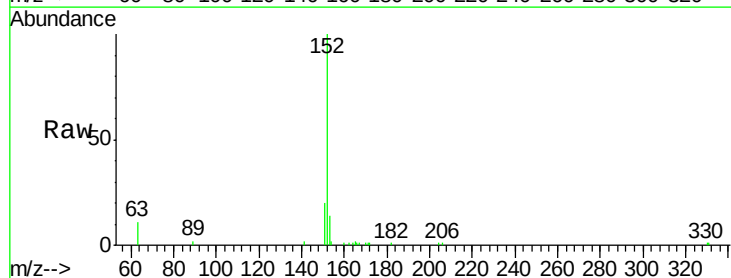


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

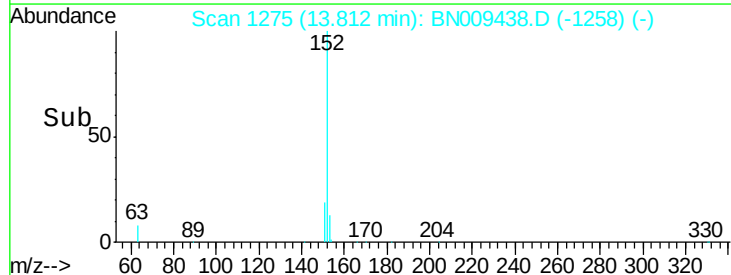
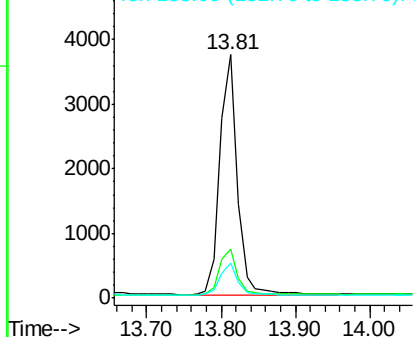


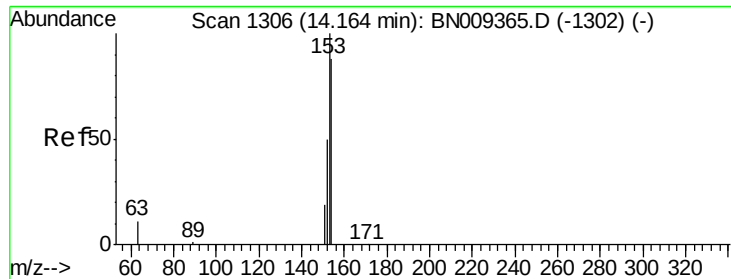
#16
Acenaphthylene
Concen: 0.292 ng
RT: 13.81 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:152 Resp: 6079
Ion Ratio Lower Upper
152 100
151 19.1 15.4 23.2
153 13.0 10.4 15.6



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: 0.277 ng

RT: 14.16 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

Instrument :

BNA_N

ClientSampleId :

PF-5MS

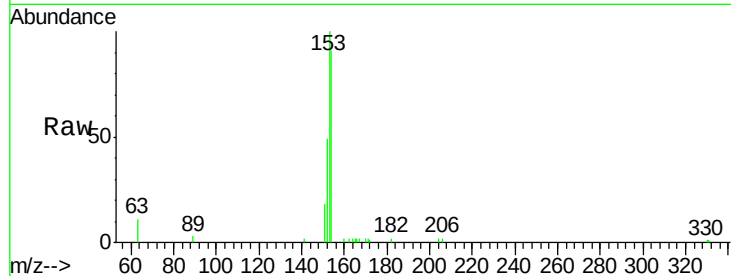
Tot Ion:154 Resp: 4060

Ion Ratio Lower Upper

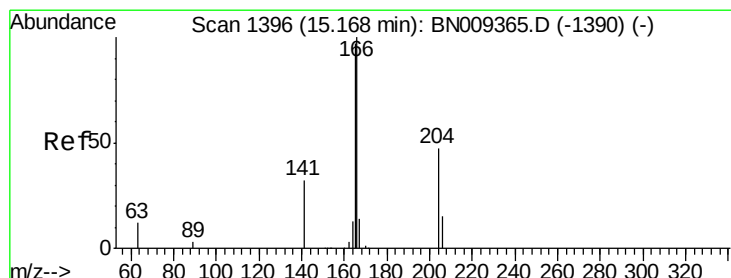
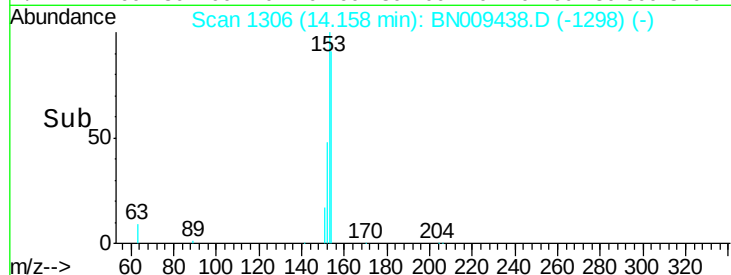
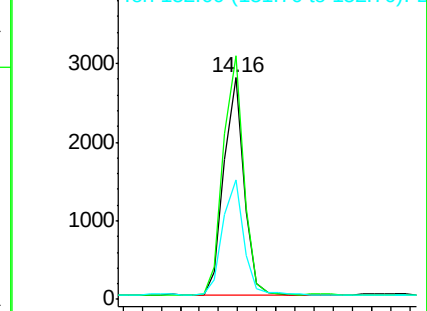
154 100

153 112.2 90.5 135.7

152 55.2 45.3 67.9



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: 0.275 ng

RT: 15.15 min Scan# 1395

Delta R.T. -0.02 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

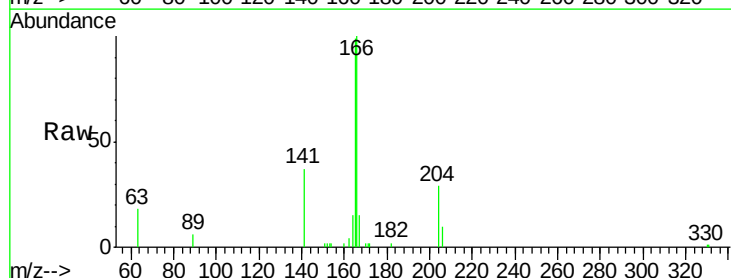
Tgt Ion:166 Resp: 5250

Ion Ratio Lower Upper

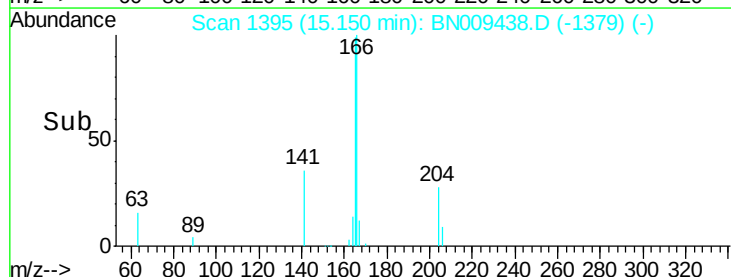
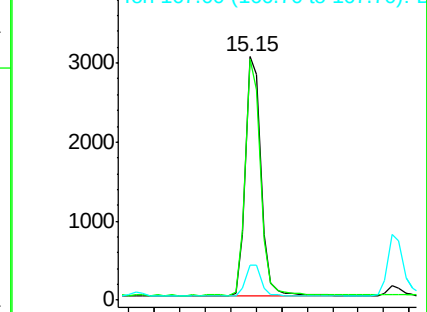
166 100

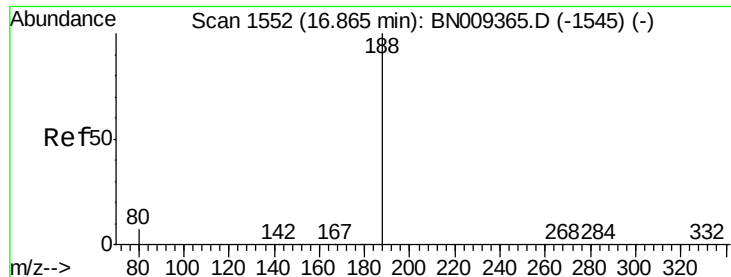
165 96.6 78.2 117.2

167 13.2 11.0 16.6



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.85 min Scan# 1551

Delta R.T. -0.02 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

Instrument :

BNA_N

ClientSampleId :

PF-5MS

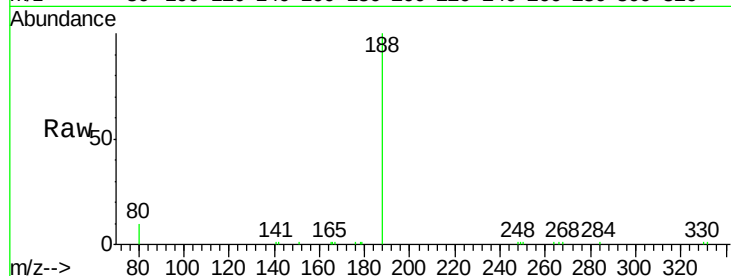
Tot Ion:188 Resp: 9999

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

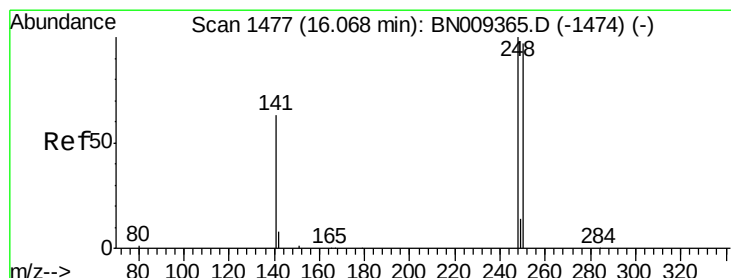
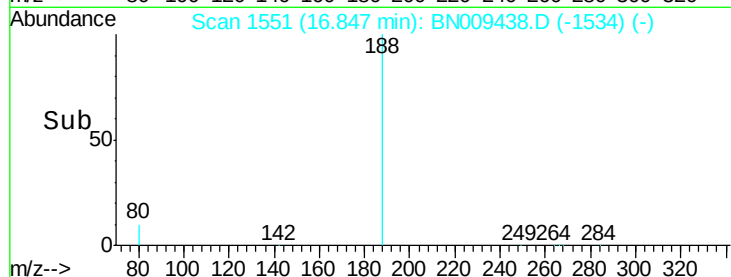
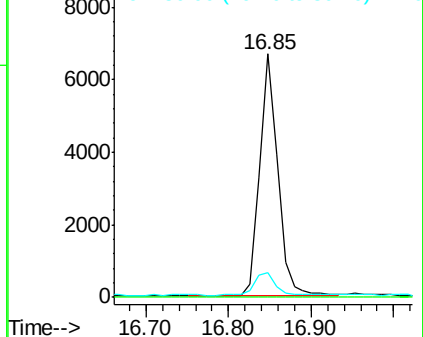
80 10.4 6.6 10.0#



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: 0.285 ng

RT: 16.05 min Scan# 1476

Delta R.T. -0.02 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

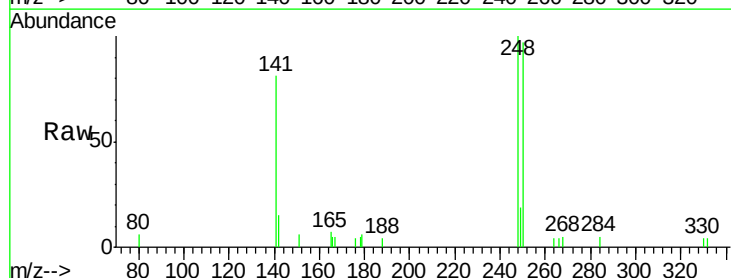
Tgt Ion:248 Resp: 1714

Ion Ratio Lower Upper

248 100

250 96.9 77.8 116.8

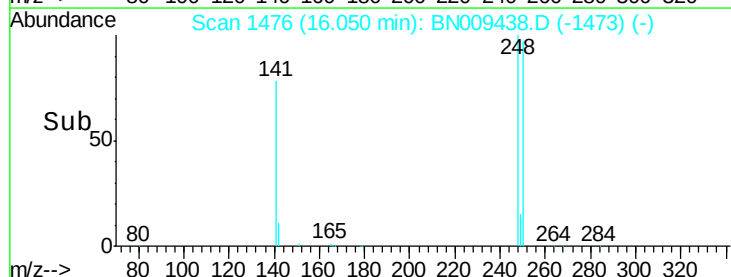
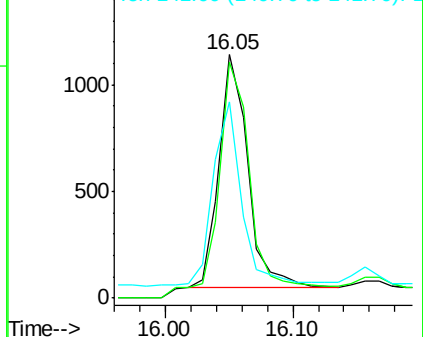
141 80.6 53.4 80.0#

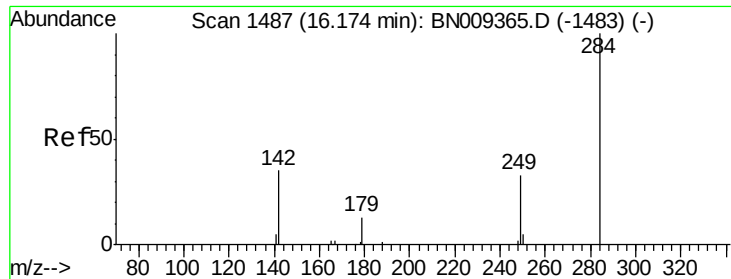


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.265 ng

RT: 16.17 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

Instrument :

BNA_N

ClientSampleId :

PF-5MS

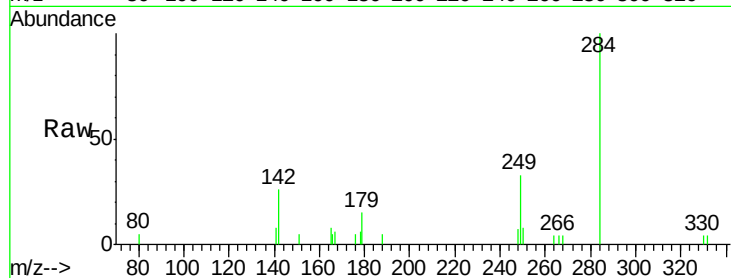
Tot Ion:284 Resp: 1699

Ion Ratio Lower Upper

284 100

142 41.6 33.8 50.8

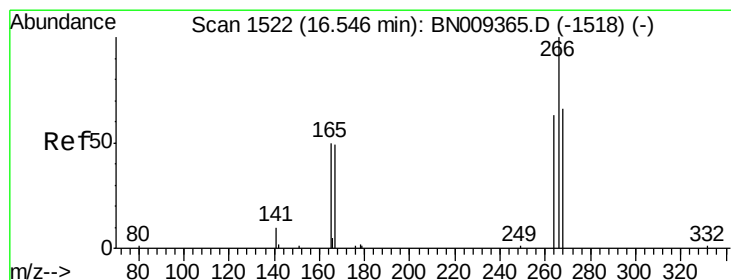
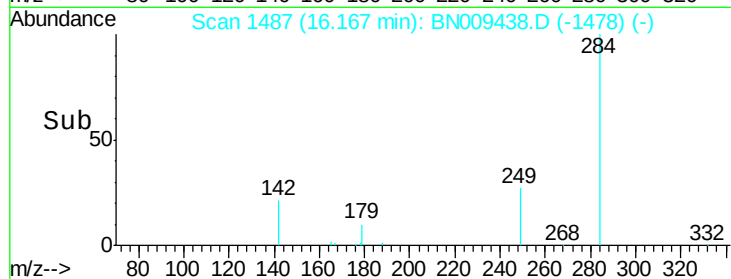
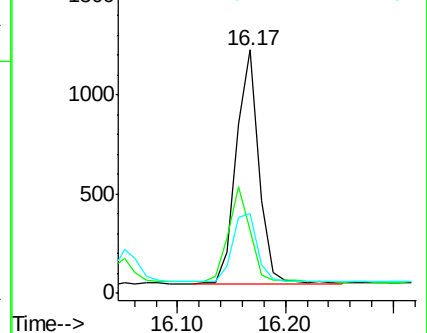
249 32.5 27.0 40.4



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: 0.274 ng

RT: 16.53 min Scan# 1521

Delta R.T. -0.02 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

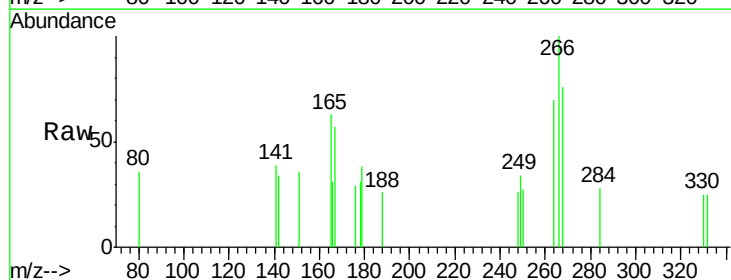
Tgt Ion:266 Resp: 291

Ion Ratio Lower Upper

266 100

264 70.2 57.8 86.6

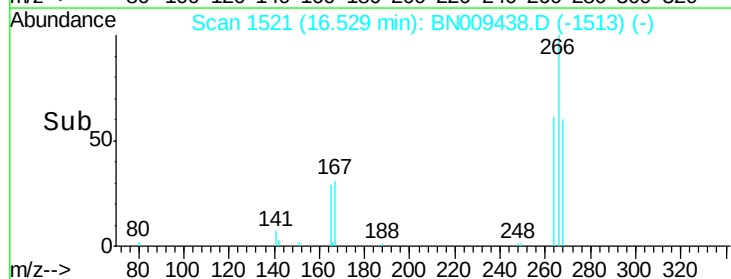
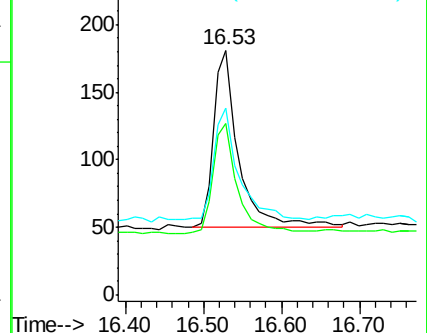
268 76.2 63.8 95.6

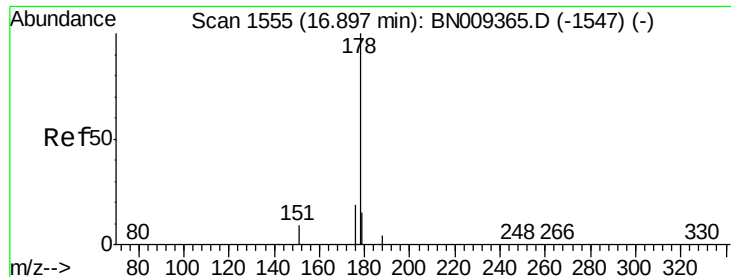


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.280 ng

RT: 16.89 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

Instrument :

BNA_N

ClientSampleId :

PF-5MS

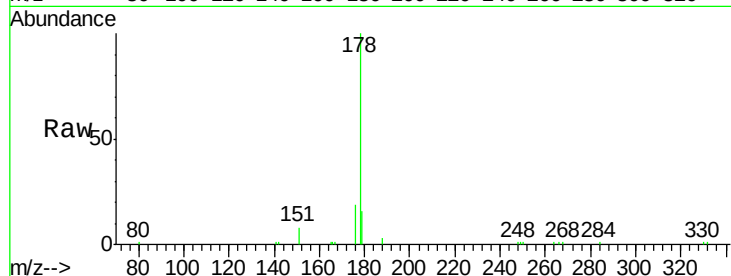
Tot Ion:178 Resp: 8423

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

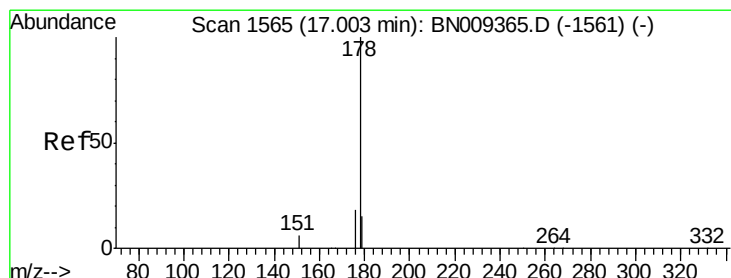
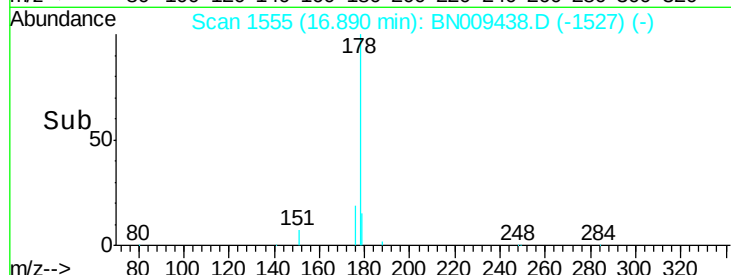
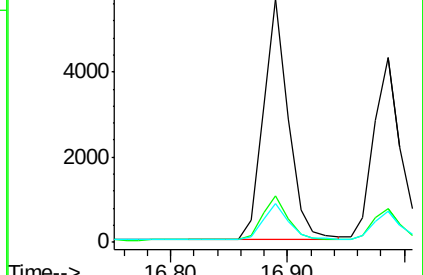
179 15.1 12.3 18.5



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: 0.284 ng

RT: 16.99 min Scan# 1564

Delta R.T. -0.02 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

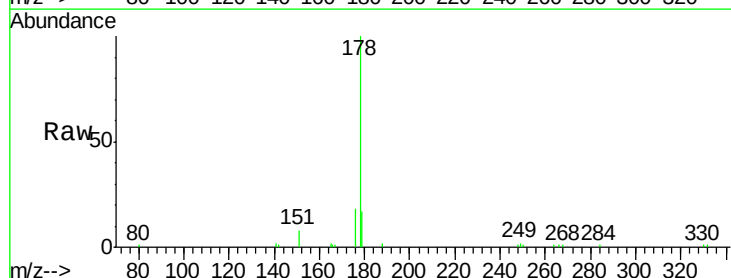
Tgt Ion:178 Resp: 7175

Ion Ratio Lower Upper

178 100

176 17.1 14.6 21.8

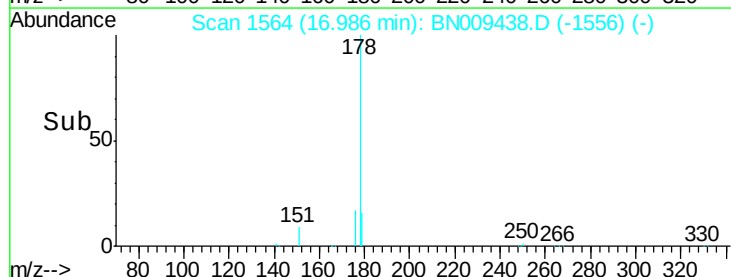
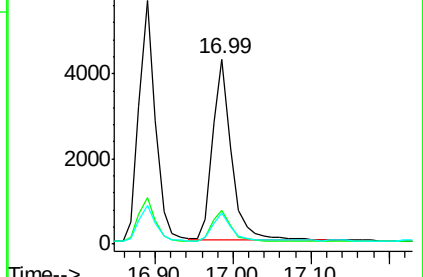
179 15.5 12.5 18.7

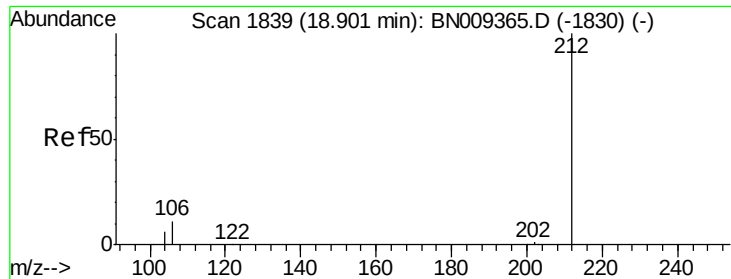


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

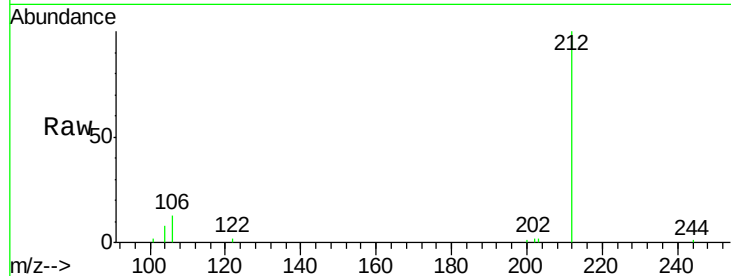




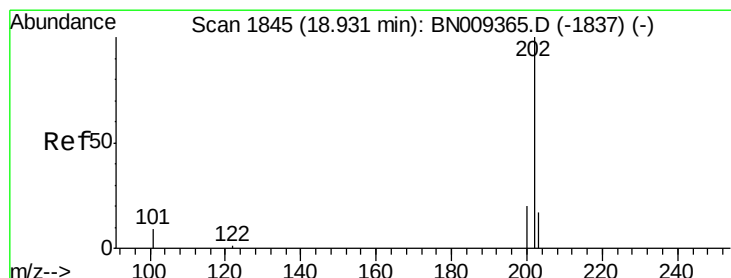
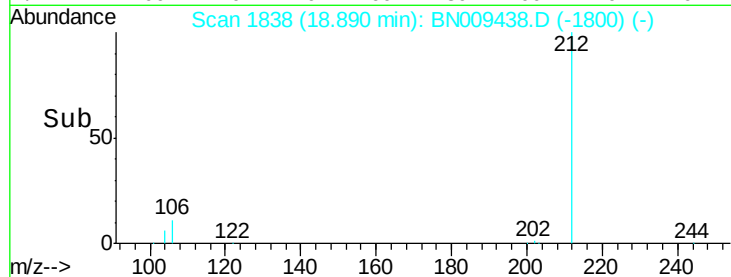
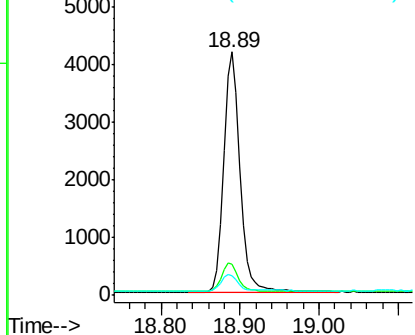
#25
 Fluoranthene-d10
 Concen: 0.179 ng
 RT: 18.89 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BN009438.D
 Acq: 24 Jan 2020 12:27

Instrument :
 BNA_N
 ClientSampleId :
 PF-5MS

Tot Ion:212 Resp: 6144
 Ion Ratio Lower Upper
 212 100
 106 11.8 9.2 13.8
 104 7.0 5.4 8.0

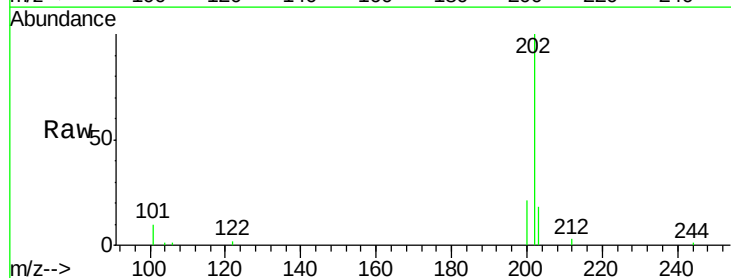


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

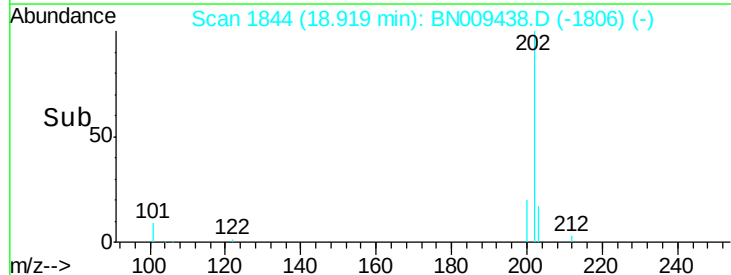
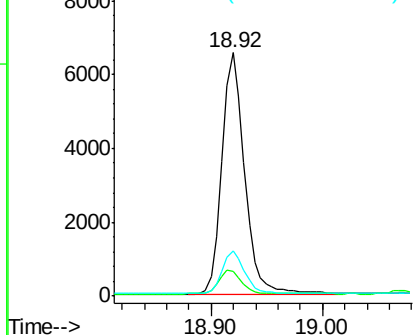


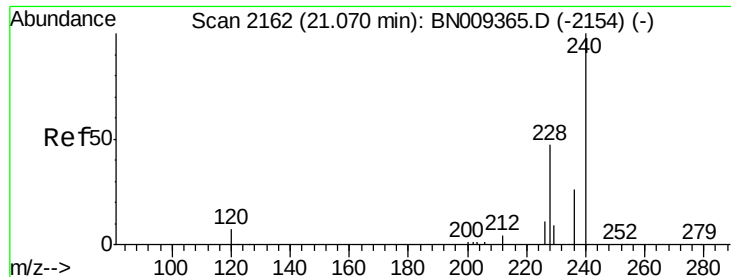
#26
 Fluoranthene
 Concen: 0.264 ng
 RT: 18.92 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BN009438.D
 Acq: 24 Jan 2020 12:27

Tgt Ion:202 Resp: 9291
 Ion Ratio Lower Upper
 202 100
 101 10.3 8.0 12.0
 203 17.1 13.5 20.3



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

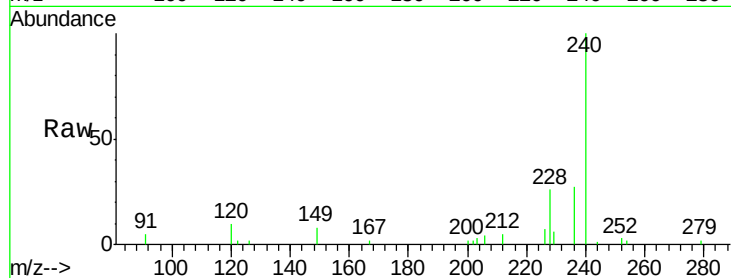




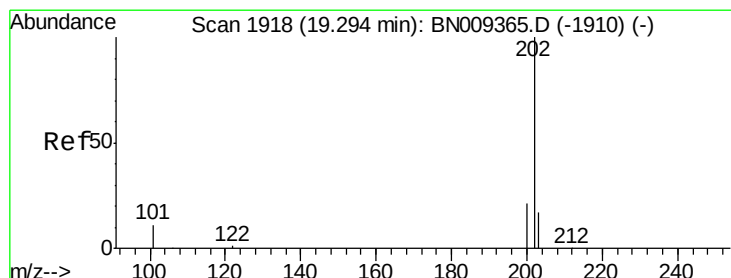
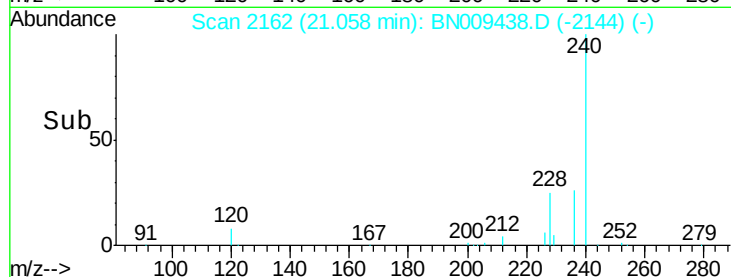
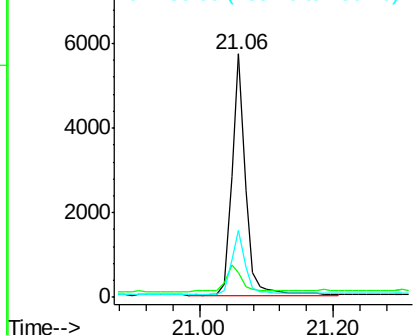
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Instrument :
BNA_N
ClientSampleId :
PF-5MS

Tot Ion:240 Resp: 8024
Ion Ratio Lower Upper
240 100
120 10.1 8.1 12.1
236 27.4 22.2 33.4

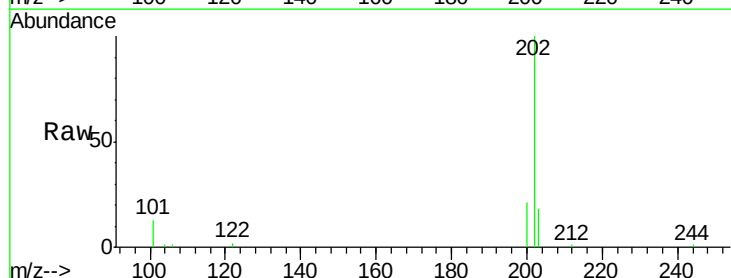


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

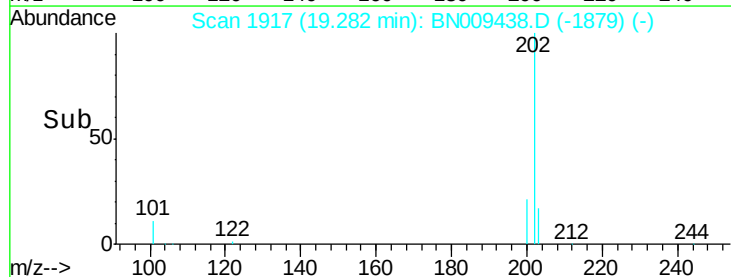
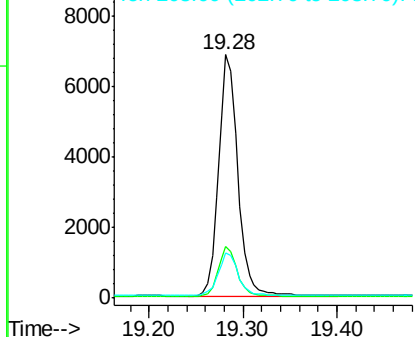


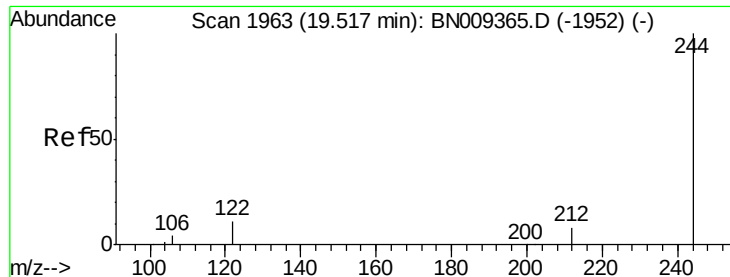
#28
Pyrene
Concen: 0.323 ng
RT: 19.28 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:202 Resp: 9821
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.2
203 18.0 14.1 21.1



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: 0.242 ng

RT: 19.51 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

Instrument :

BNA_N

ClientSampleId :

PF-5MS

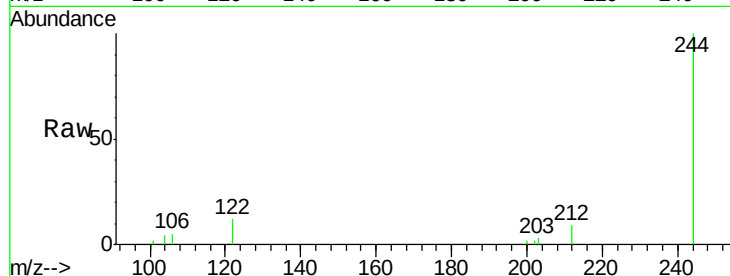
Tot Ion:244 Resp: 4602

Ion Ratio Lower Upper

244 100

212 9.5 7.5 11.3

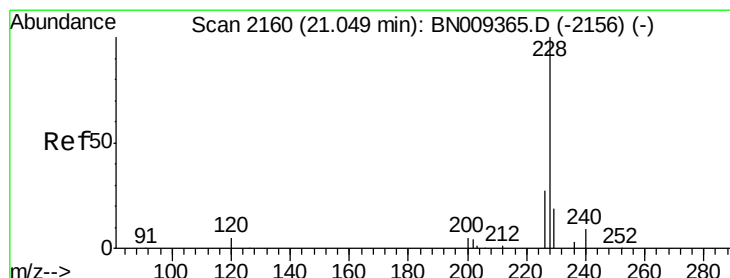
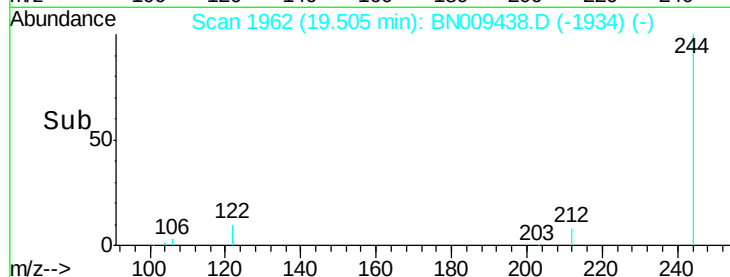
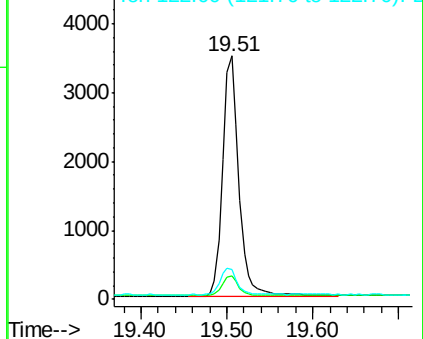
122 12.2 9.8 14.6



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: 0.298 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

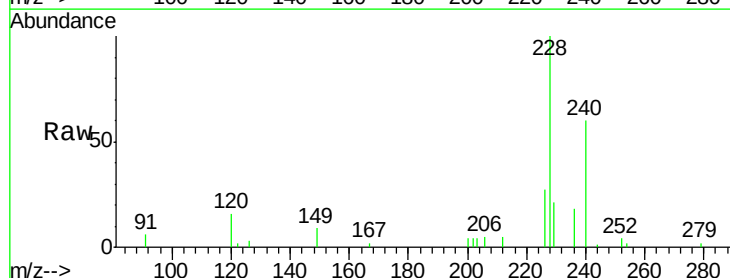
Tgt Ion:228 Resp: 7858

Ion Ratio Lower Upper

228 100

226 26.9 22.5 33.7

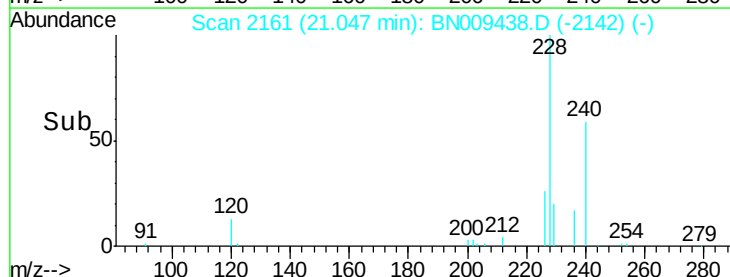
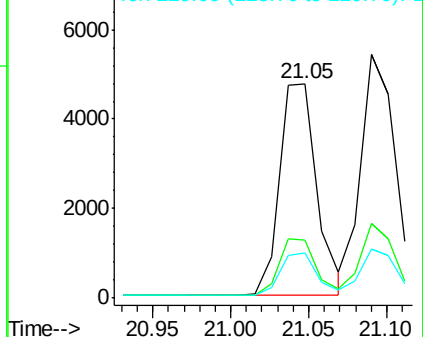
229 21.0 16.1 24.1

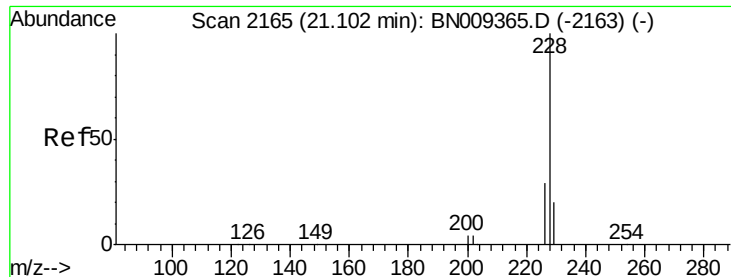


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.278 ng

RT: 21.09 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

Instrument :

BNA_N

ClientSampleId :

PF-5MS

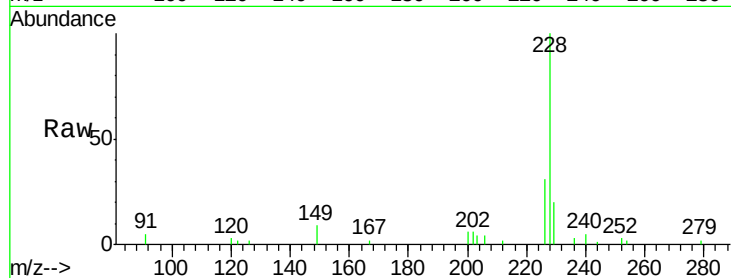
Tot Ion:228 Resp: 8400

Ion Ratio Lower Upper

228 100

226 30.8 23.8 35.8

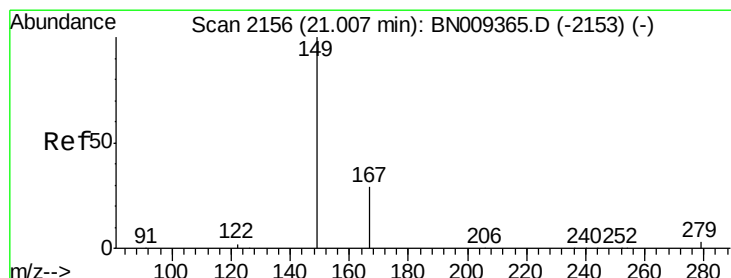
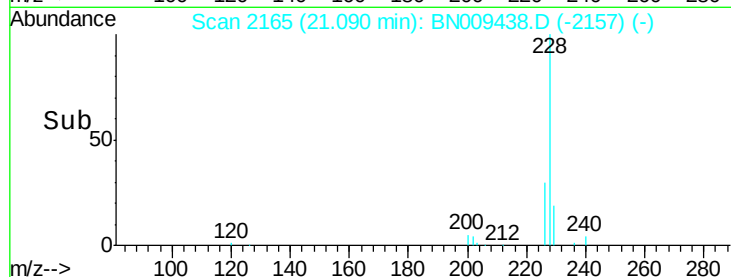
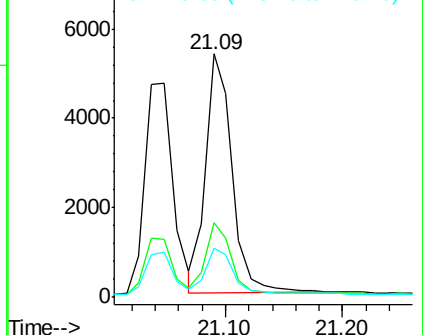
229 20.2 16.6 24.8



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: 0.432 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

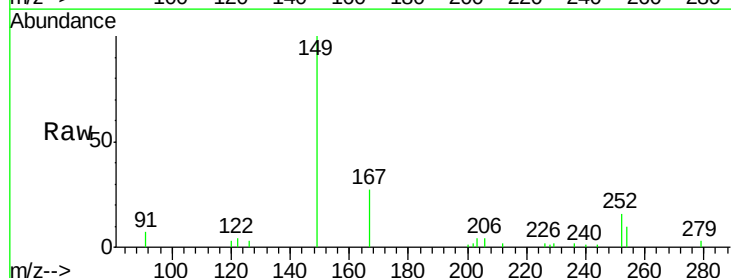
Tgt Ion:149 Resp: 5044

Ion Ratio Lower Upper

149 100

167 28.1 22.9 34.3

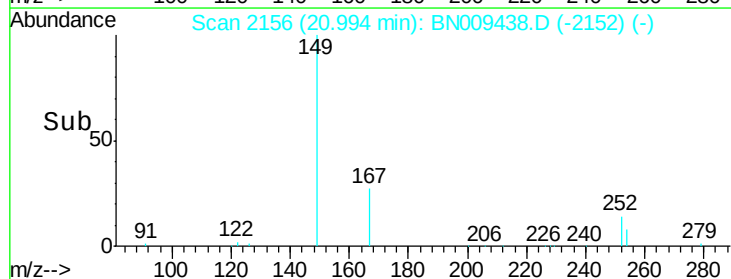
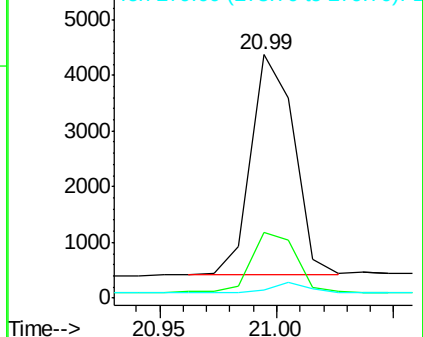
279 4.2 3.4 5.0

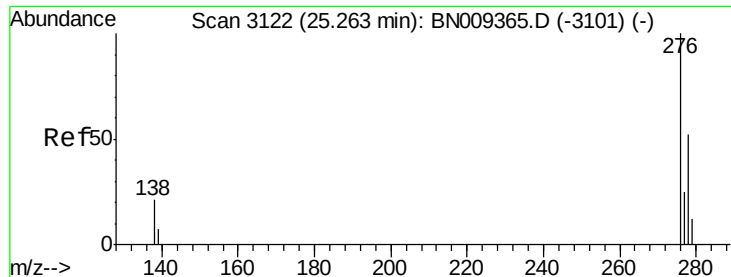


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

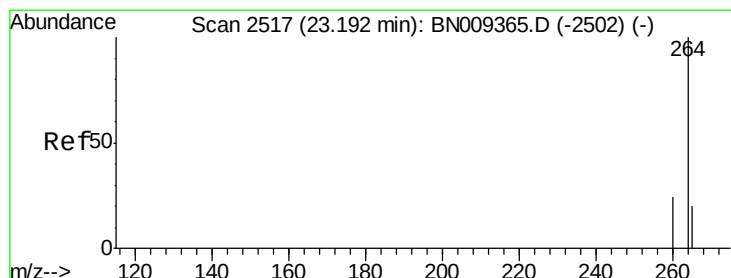
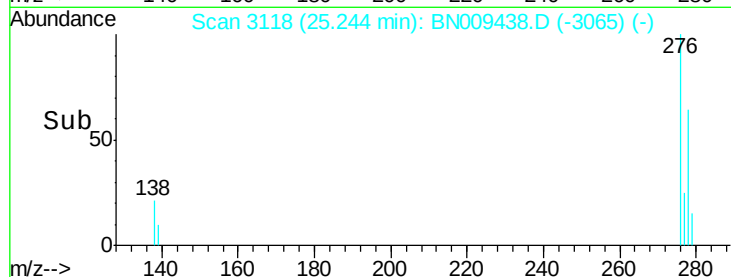
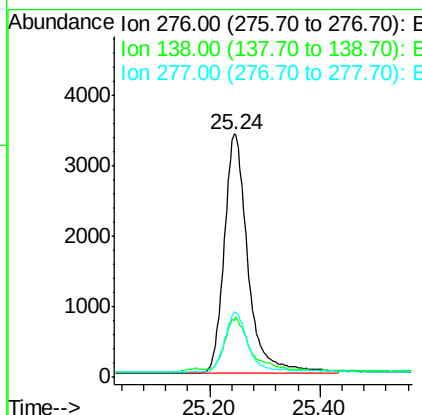
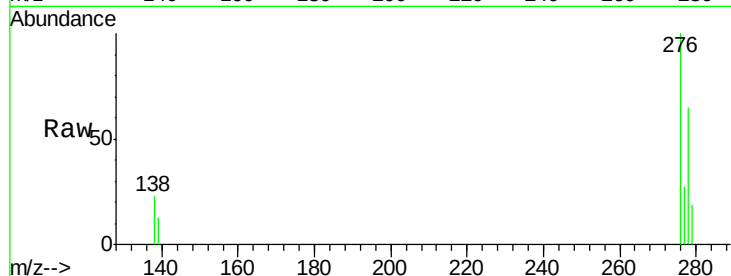




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.326 ng
 RT: 25.24 min Scan# 3118
 Delta R.T. -0.02 min
 Lab File: BN009438.D
 Acq: 24 Jan 2020 12:27

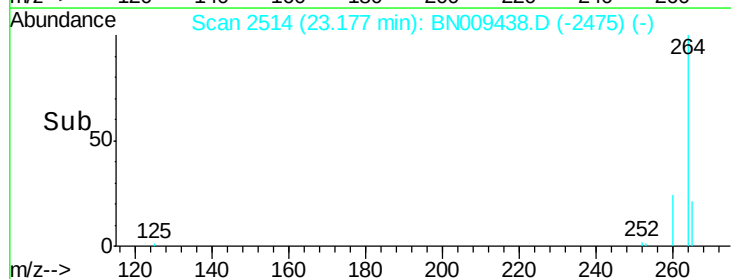
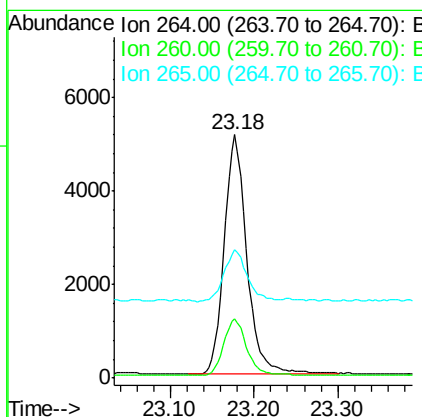
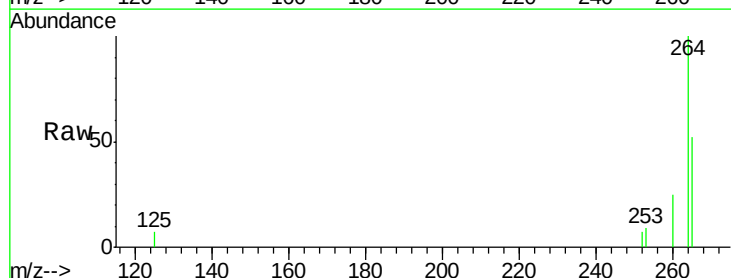
Instrument :
 BNA_N
 ClientSampleId :
 PF-5MS

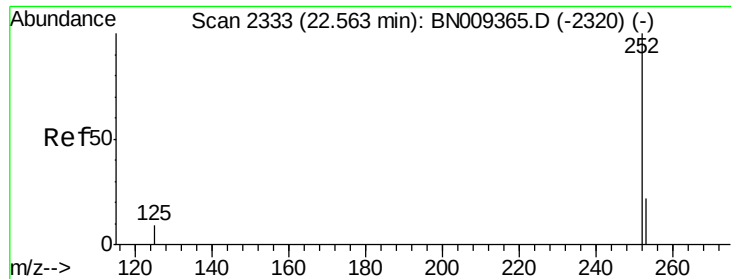
Tot Ion:276 Resp: 10227
 Ion Ratio Lower Upper
 276 100
 138 22.5 15.9 23.9
 277 24.1 19.8 29.6



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.18 min Scan# 2514
 Delta R.T. -0.02 min
 Lab File: BN009438.D
 Acq: 24 Jan 2020 12:27

Tgt Ion:264 Resp: 9662
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.1 30.1
 265 52.5 68.2 102.4#

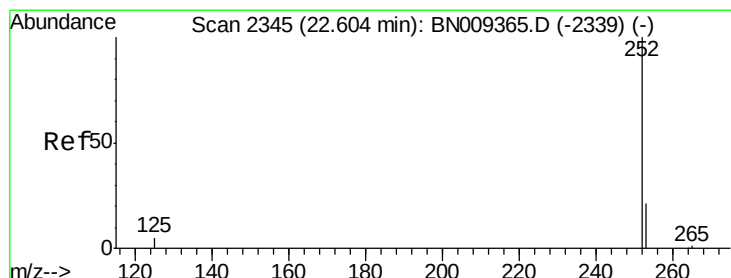
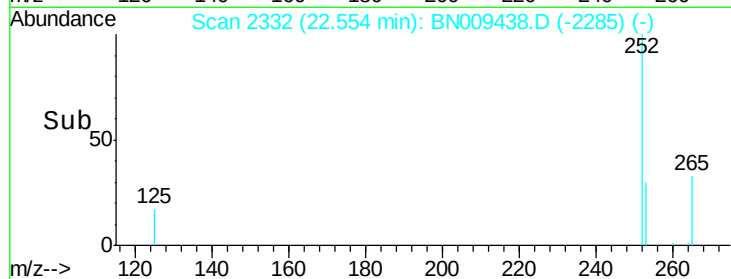
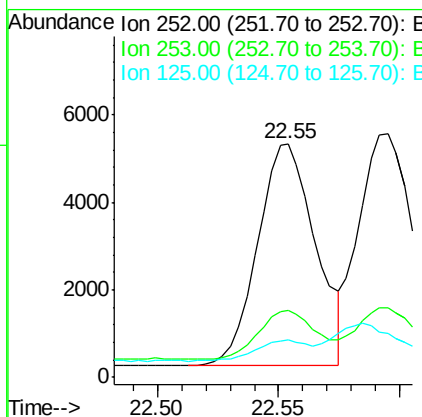
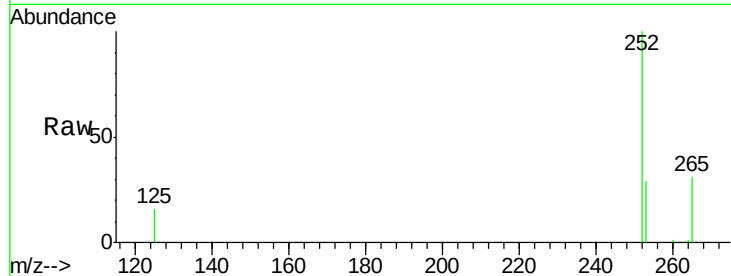




#35
Benzo(b)fluoranthene
Concen: 0.237 ng
RT: 22.55 min Scan# 2332
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

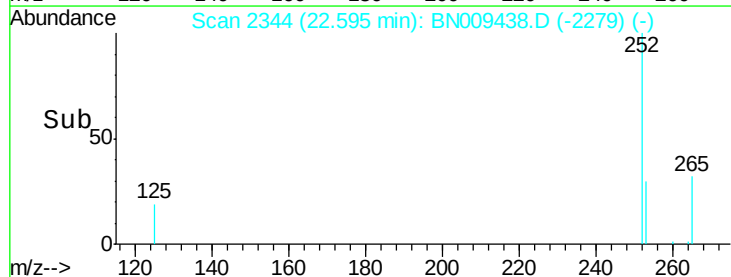
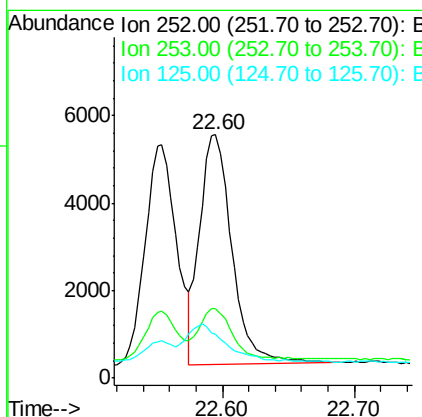
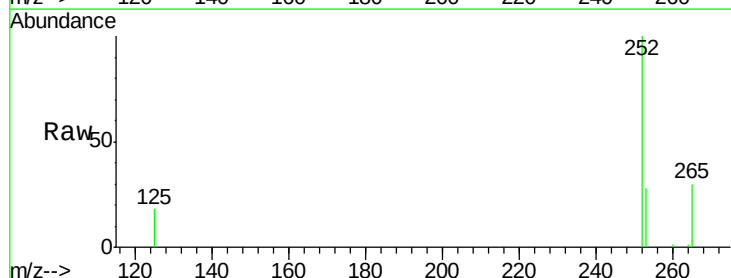
Instrument :
BNA_N
ClientSampleId :
PF-5MS

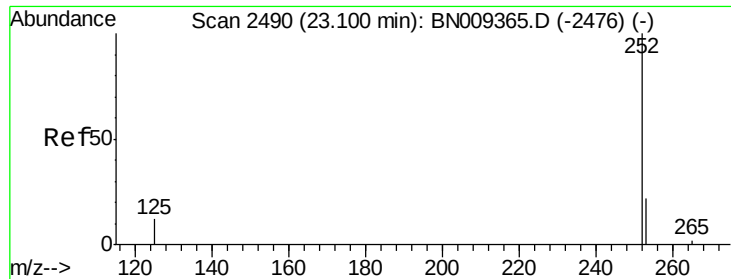
Tot Ion:252 Resp: 8407
Ion Ratio Lower Upper
252 100
253 28.8 22.4 33.6
125 15.9 11.6 17.4



#36
Benzo(k)fluoranthene
Concen: 0.225 ng
RT: 22.60 min Scan# 2344
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:252 Resp: 8834
Ion Ratio Lower Upper
252 100
253 28.4 21.9 32.9
125 17.8 12.0 18.0





#37

Benzo(a)pyrene

Concen: 0.263 ng

RT: 23.09 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

Instrument :

BNA_N

ClientSampleId :

PF-5MS

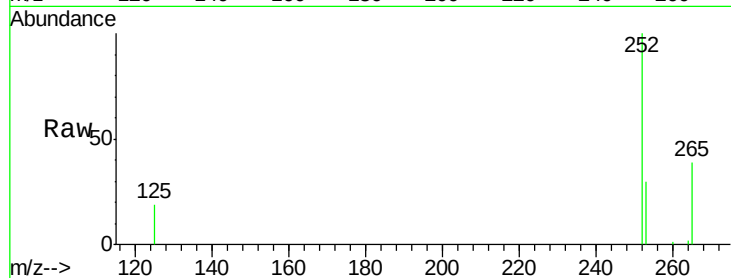
Tot Ion:252 Resp: 8231

Ion Ratio Lower Upper

252 100

253 30.3 25.4 38.0

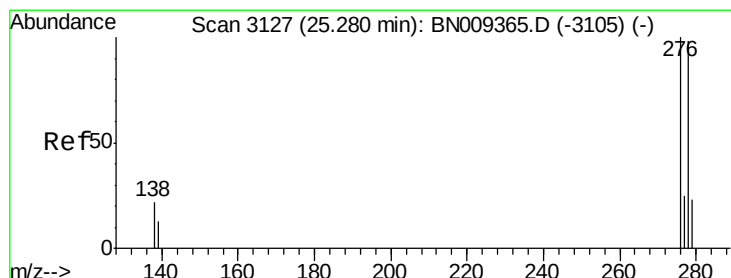
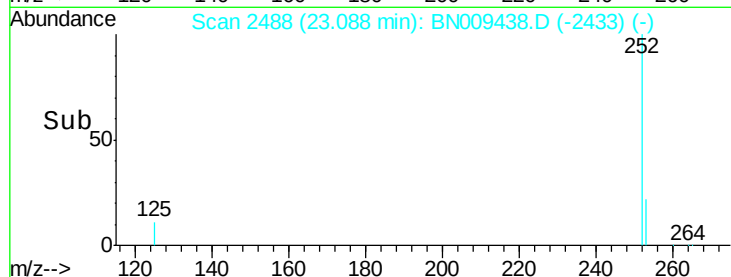
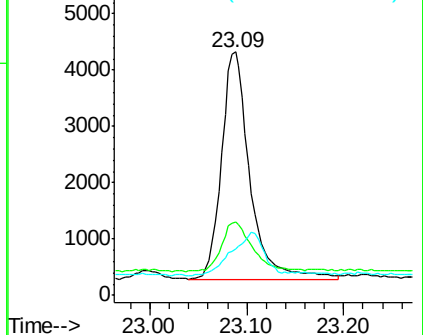
125 19.0 16.2 24.2



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: 0.258 ng

RT: 25.25 min Scan# 3121

Delta R.T. -0.03 min

Lab File: BN009438.D

Acq: 24 Jan 2020 12:27

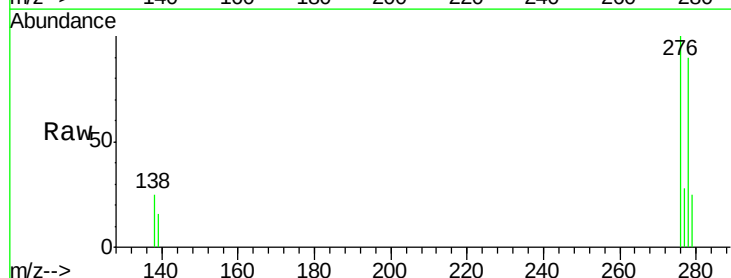
Tgt Ion:278 Resp: 8116

Ion Ratio Lower Upper

278 100

139 18.4 14.5 21.7

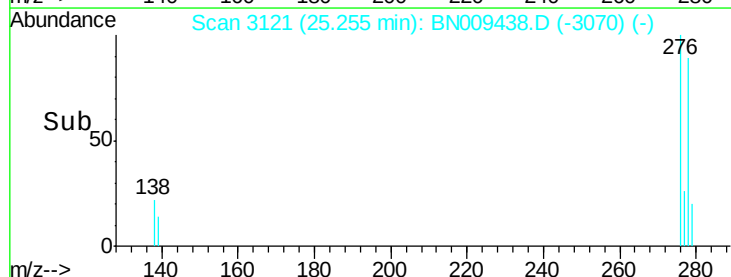
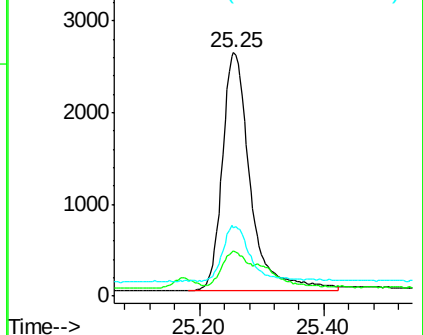
279 28.2 24.2 36.4

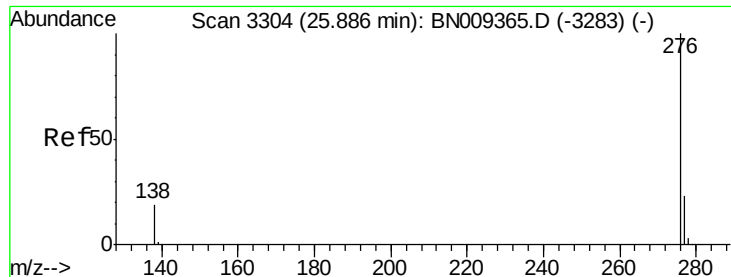


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.264 ng

RT: 25.87 min Scan# 3300

Delta R.T. -0.02 min

Lab File: BN009438.D

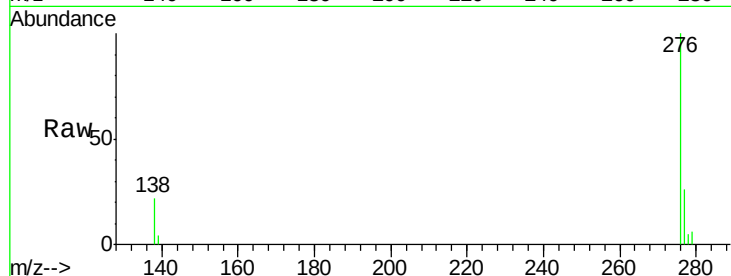
Acq: 24 Jan 2020 12:27

Instrument :

BNA_N

ClientSampleId :

PF-5MS



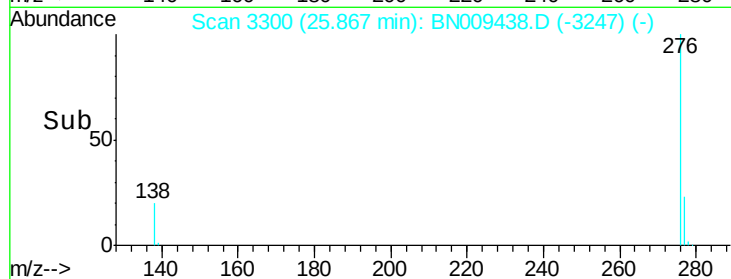
Tot Ion: 276 Resp: 9155

Ion Ratio Lower Upper

276 100

277 25.5 20.6 30.8

138 22.1 17.1 25.7



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

