

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012020\
 Data File : BN009401.D
 Acq On : 20 Jan 2020 13:51
 Operator : JU
 Sample : K5111-01
 Misc : 0.1 LOD
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jan 20 17:27:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 16:23:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	1338	0.40	ng	0.00
7) Naphthalene-d8	10.24	136	4593	0.40	ng	0.01
13) Acenaphthene-d10	14.11	164	3120	0.40	ng	0.00
19) Phenanthrene-d10	16.86	188	6850	0.40	ng	0.00
27) Chrysene-d12	21.07	240	5710	0.40	ng	0.00
34) Perylene-d12	23.19	264	5919	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.12	112	1191	0.39	ng	0.00
5) Phenol-d6	6.69	99	1256	0.35	ng	0.00
8) Nitrobenzene-d5	8.64	82	1119	0.31	ng	0.01
11) 2-Methylnaphthalene-d10	11.84	152	2677	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.62	330	392	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.74	172	4052	0.35	ng	0.01
25) Fluoranthene-d10	18.90	212	7061	0.30	ng	0.00
29) Terphenyl-d14	19.51	244	5497	0.41	ng	0.00

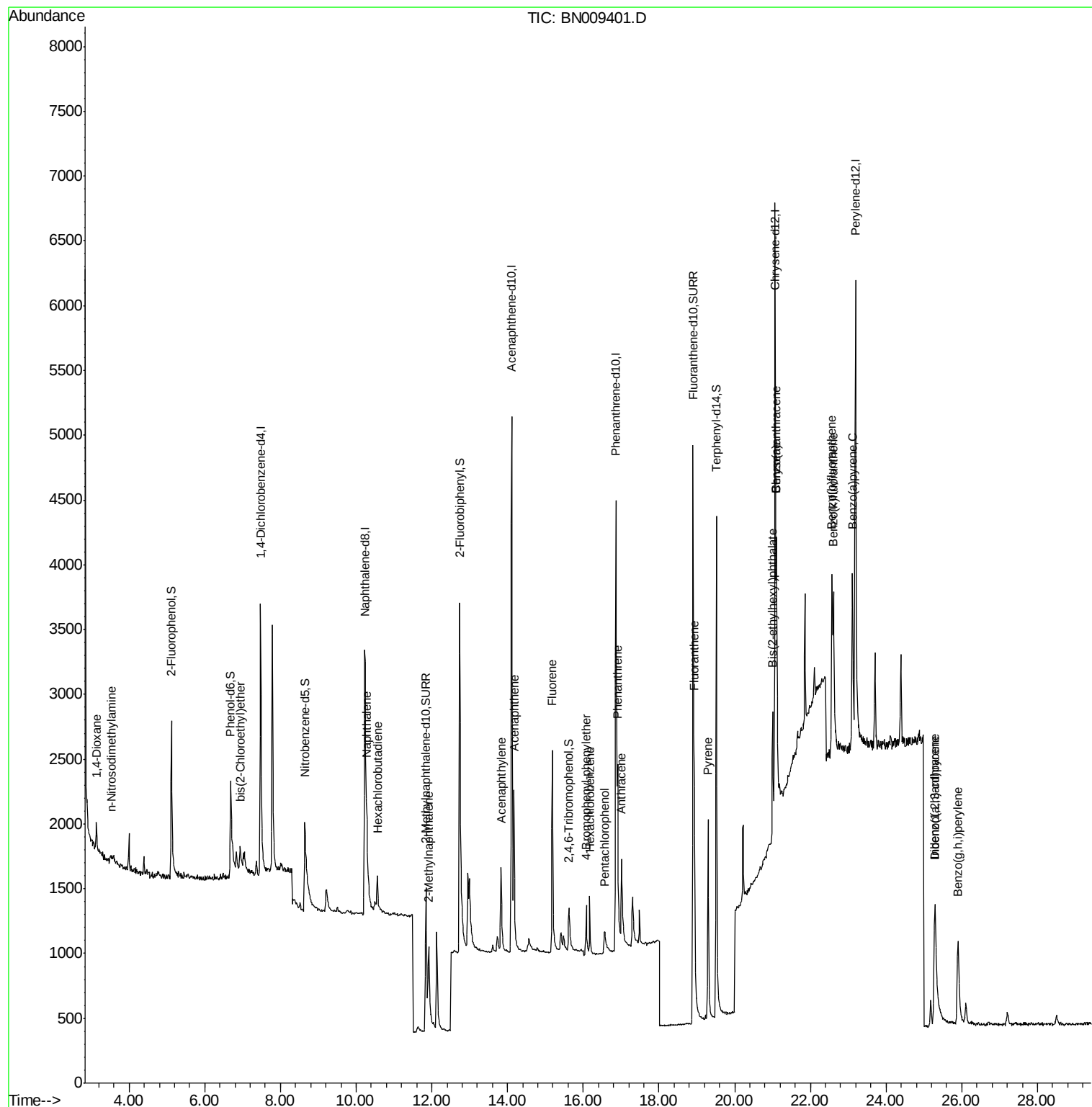
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.14	88	104	0.075	ng	# 74
3) n-Nitrosodimethylamine	3.53	42	58	0.027	ng	# 79
6) bis(2-Chloroethyl)ether	6.93	93	306	0.083	ng	# 71
9) Naphthalene	10.28	128	1076	0.087	ng	# 74
10) Hexachlorobutadiene	10.57	225	234	0.086	ng	# 98
12) 2-Methylnaphthalene	11.92	142	745	0.086	ng	# 95
16) Acenaphthylene	13.83	152	1074	0.080	ng	100
17) Acenaphthene	14.18	154	776	0.082	ng	96
18) Fluorene	15.18	166	1029	0.083	ng	98
20) 4-Bromophenyl-phenylether	16.08	248	303	0.073	ng	92
21) Hexachlorobenzene	16.17	284	361	0.082	ng	98
22) Pentachlorophenol	16.57	266	245	0.199	ng	96
23) Phenanthrene	16.91	178	1650	0.080	ng	99
24) Anthracene	17.01	178	1289	0.075	ng	97
26) Fluoranthene	18.93	202	2007	0.083	ng	99
28) Pyrene	19.30	202	1983	0.092	ng	97
30) Benzo(a)anthracene	21.10	228	1997	0.106	ng	93
31) Chrysene	21.10	228	2005	0.093	ng	95
32) Bis(2-ethylhexyl)phthalate	21.01	149	808	0.097	ng	97
33) Indeno(1,2,3-cd)pyrene	25.29	276	1853	0.083	ng	# 81
35) Benzo(b)fluoranthene	22.57	252	1676	0.077	ng	# 54
36) Benzo(k)fluoranthene	22.61	252	2074	0.086	ng	# 60
37) Benzo(a)pyrene	23.11	252	1723	0.090	ng	# 1
38) Dibenzo(a,h)anthracene	25.30	278	1424	0.074	ng	# 50
39) Benzo(g,h,i)perylene	25.91	276	1830	0.086	ng	# 84

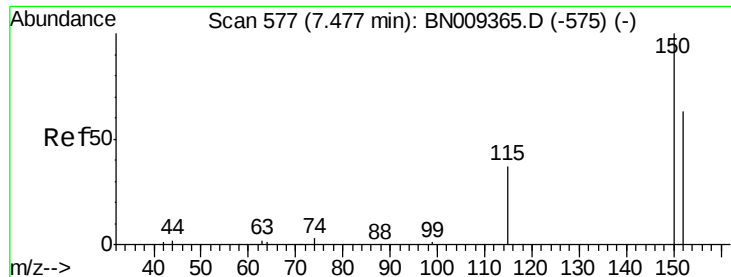
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
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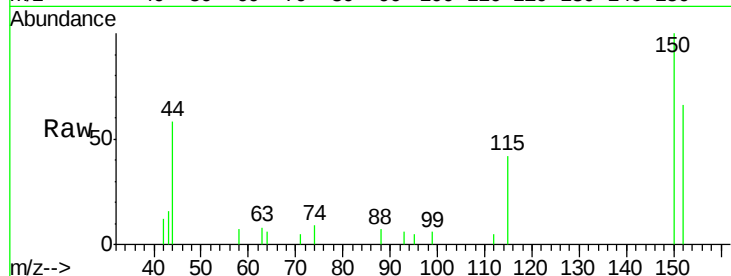


#1

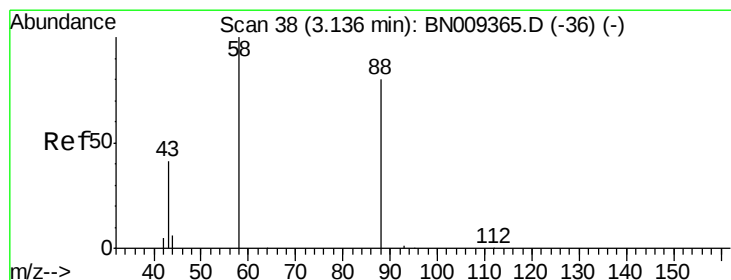
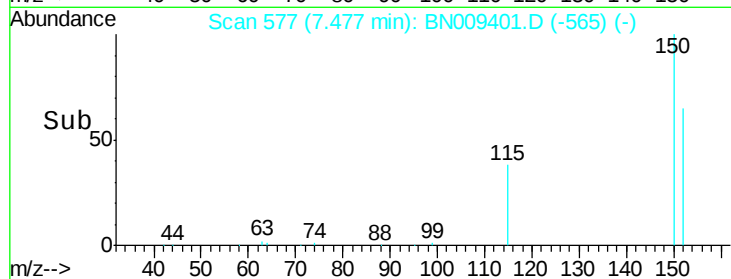
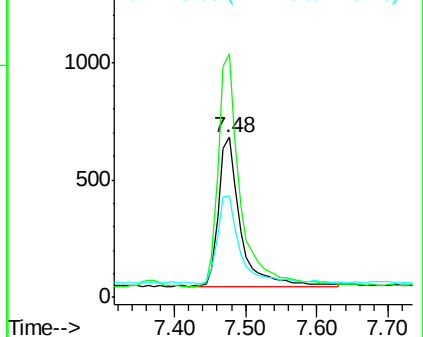
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BN009401.D
Acq: 20 Jan 2020 13:51

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 1338
Ion Ratio Lower Upper
152 100
150 151.9 125.7 188.5
115 63.3 53.3 79.9



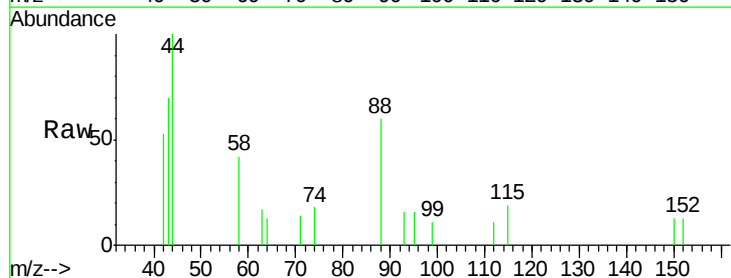
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



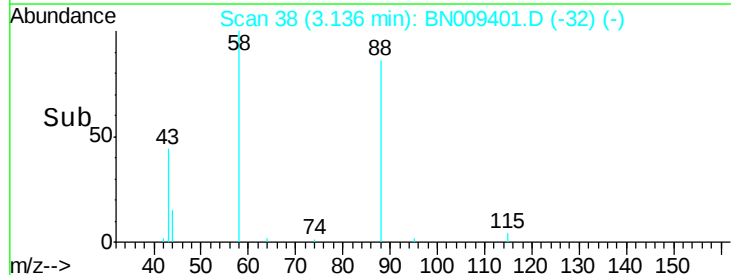
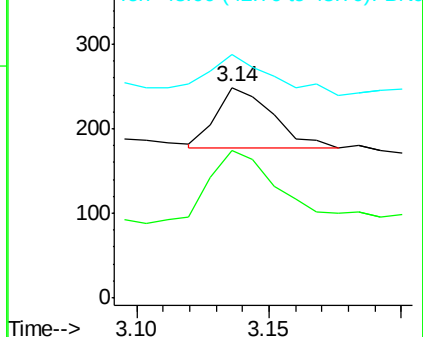
#2

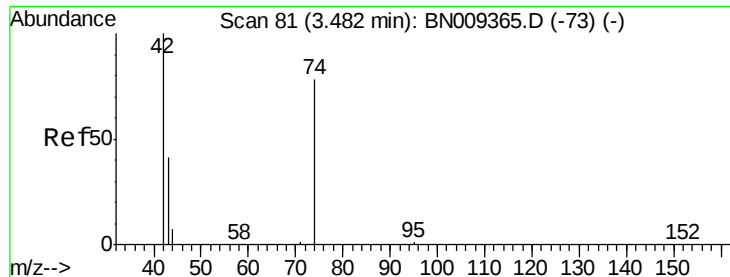
1,4-Dioxane
Concen: 0.075 ng
RT: 3.14 min Scan# 38
Delta R.T. -0.00 min
Lab File: BN009401.D
Acq: 20 Jan 2020 13:51

Tgt Ion: 88 Resp: 104
Ion Ratio Lower Upper
88 100
58 151.9 100.2 150.2#
43 76.9 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



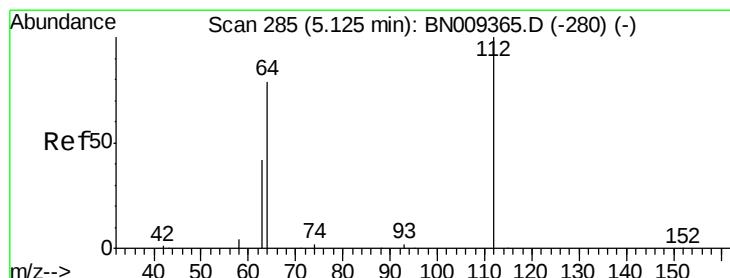
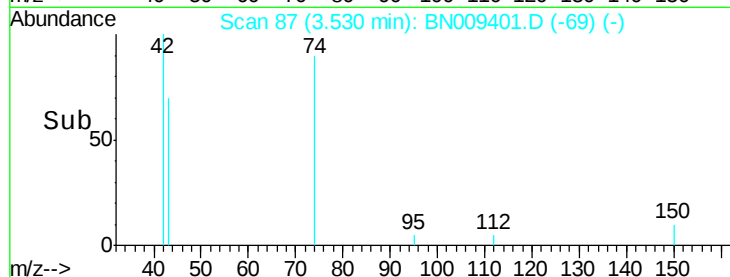
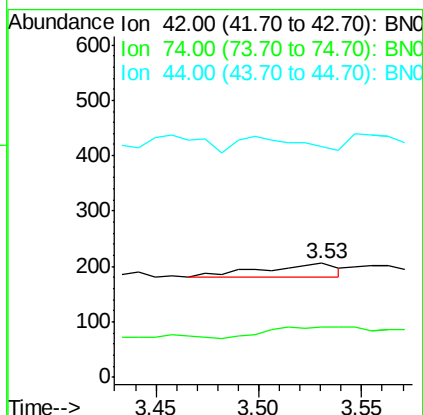
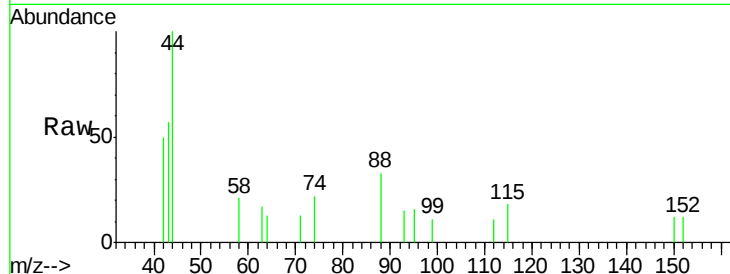


#3

n-Nitrosodimethylamine
 Concen: 0.027 ng
 RT: 3.53 min Scan# 87
 Delta R.T. 0.05 min
 Lab File: BN009401.D
 Acq: 20 Jan 2020 13:51

Instrument :
 BNA_N
 ClientSampled :

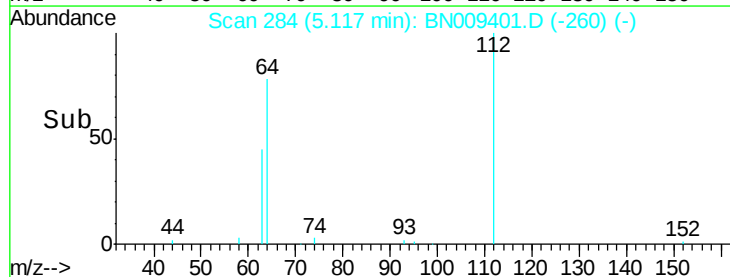
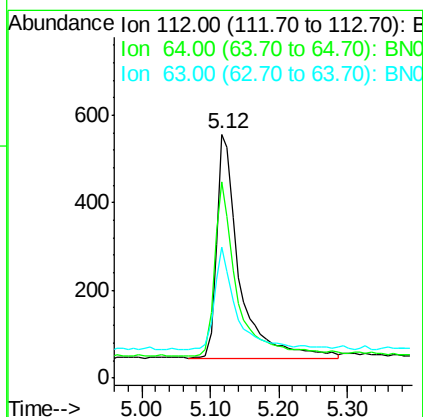
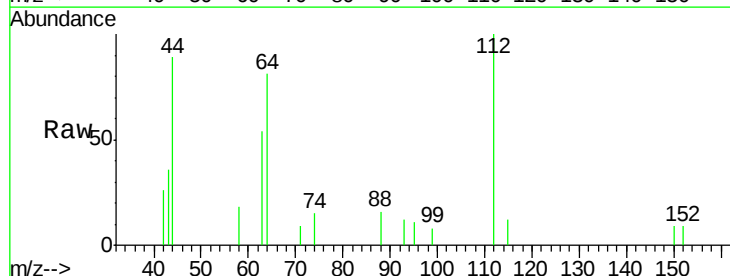
Tot Ion: 42 Resp: 58
 Ion Ratio Lower Upper
 42 100
 74 84.5 55.8 83.8#
 44 0.0 11.1 16.7#

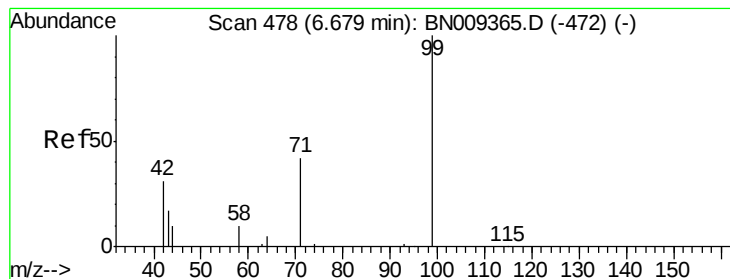


#4

2-Fluorophenol
 Concen: 0.387 ng
 RT: 5.12 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: BN009401.D
 Acq: 20 Jan 2020 13:51

Tgt Ion: 112 Resp: 1191
 Ion Ratio Lower Upper
 112 100
 64 77.1 61.5 92.3
 63 43.1 35.0 52.4





#5

Phenol-d6

Concen: 0.352 ng

RT: 6.69 min Scan# 479

Delta R.T. 0.01 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

Instrument :

BNA_N

ClientSampled :

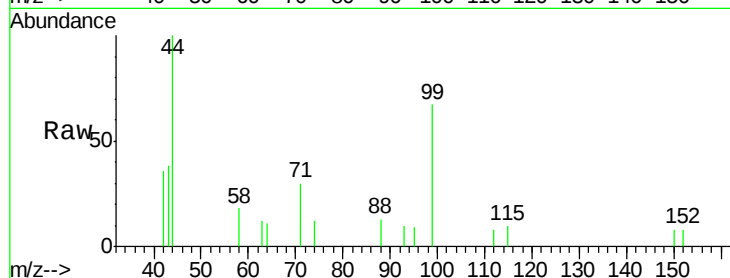
Tot Ion: 99 Resp: 1256

Ion Ratio Lower Upper

99 100

42 34.6 27.6 41.4

71 40.4 33.0 49.6

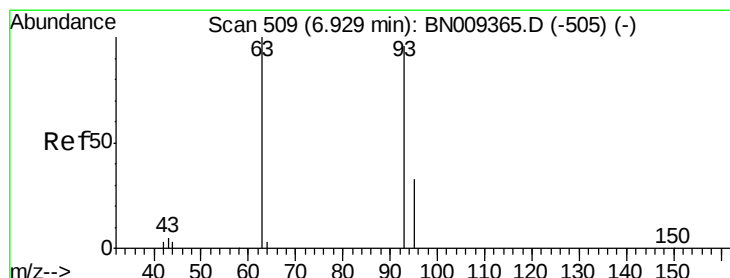
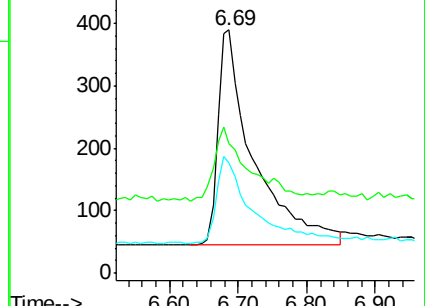
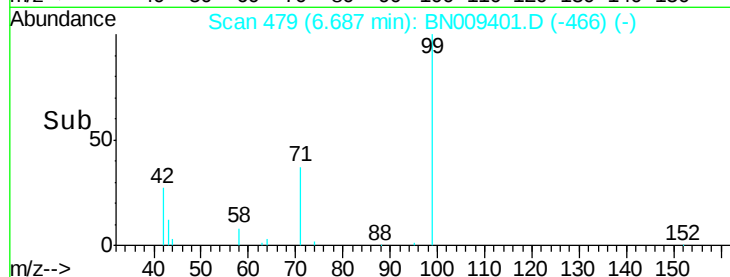


Abundance Ion 99.00 (98.70 to 99.70): BN009401.D (-472) (-)

Ion 42.00 (41.70 to 42.70): BN009401.D (-472) (-)

Ion 71.00 (70.70 to 71.70): BN009401.D (-472) (-)

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.083 ng

RT: 6.93 min Scan# 509

Delta R.T. -0.00 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

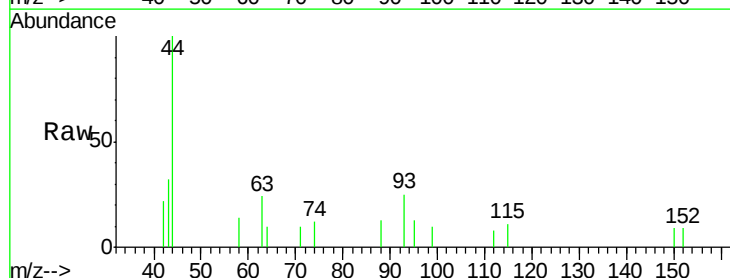
Tgt Ion: 93 Resp: 306

Ion Ratio Lower Upper

93 100

63 73.5 85.1 127.7#

95 24.5 30.2 45.4#

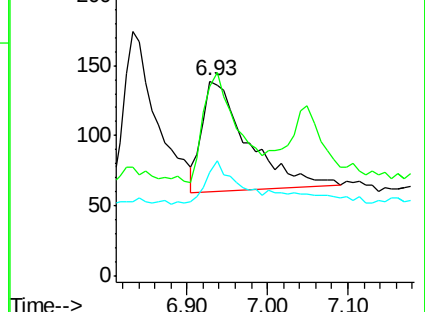
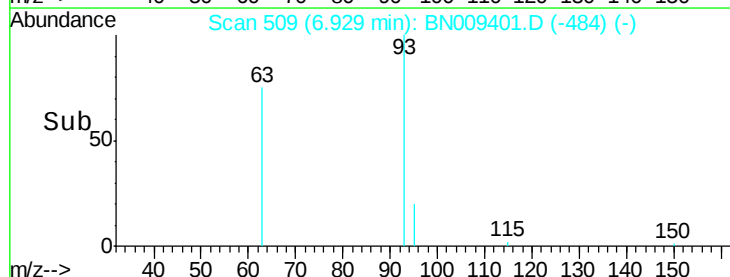


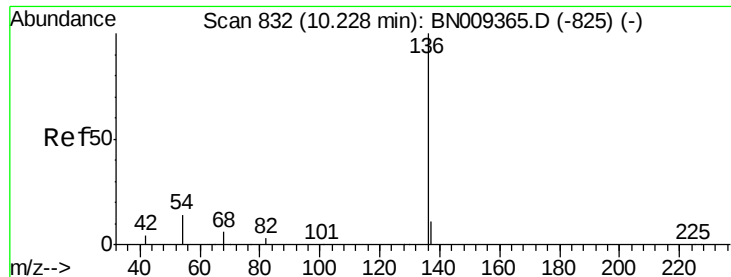
Abundance Ion 93.00 (92.70 to 93.70): BN009401.D (-484) (-)

Ion 63.00 (62.70 to 63.70): BN009401.D (-484) (-)

Ion 95.00 (94.70 to 95.70): BN009401.D (-484) (-)

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.24 min Scan# 833

Delta R.T. 0.01 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 4593

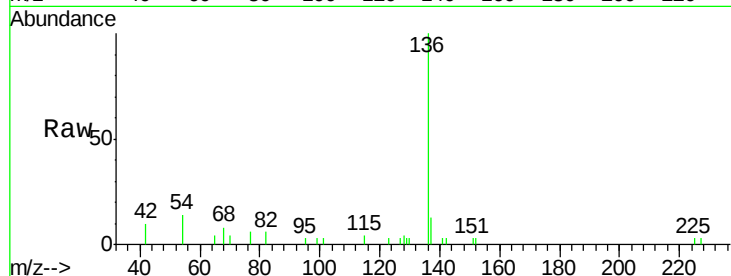
Ion Ratio Lower Upper

136 100

137 13.1 10.3 15.5

54 14.4 12.6 19.0

68 8.3 6.5 9.7

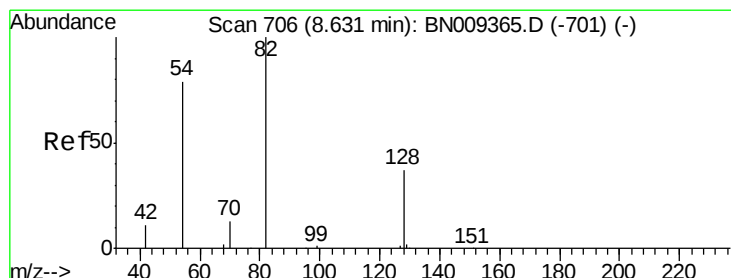
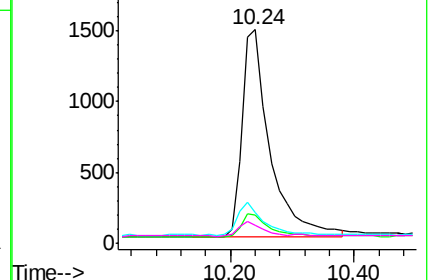
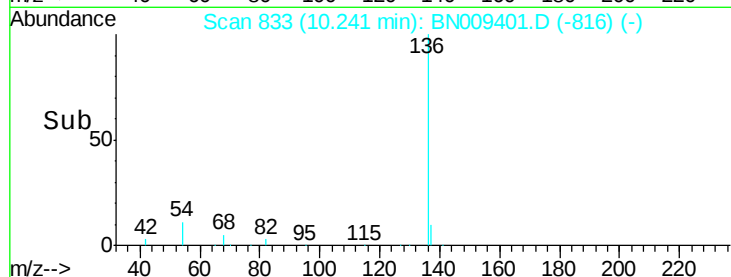


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.306 ng

RT: 8.64 min Scan# 707

Delta R.T. 0.01 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

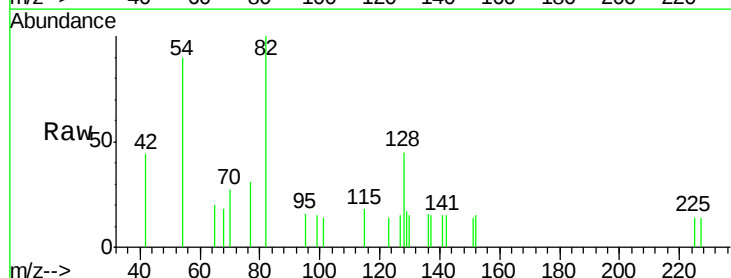
Tgt Ion: 82 Resp: 1119

Ion Ratio Lower Upper

82 100

128 45.3 34.8 52.2

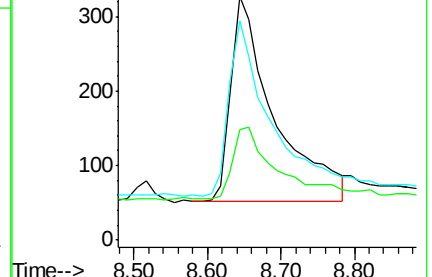
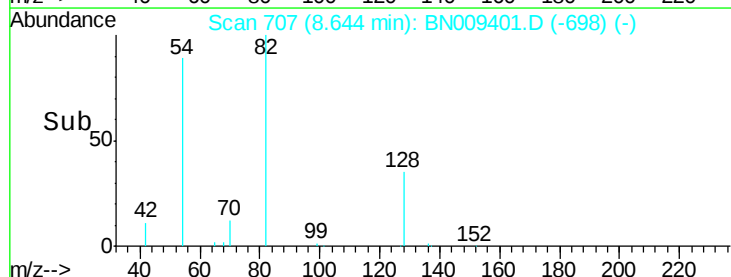
54 90.2 65.8 98.6

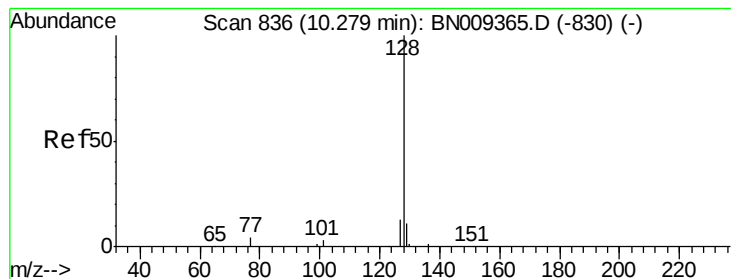


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.087 ng

RT: 10.28 min Scan# 836

Delta R.T. -0.00 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

Instrument :

BNA_N

ClientSampleId :

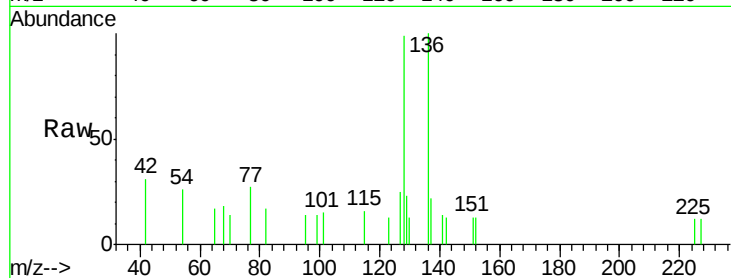
Tot Ion:128 Resp: 1076

Ion Ratio Lower Upper

128 100

129 23.3 10.4 15.6#

127 25.2 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

10.28

400

300

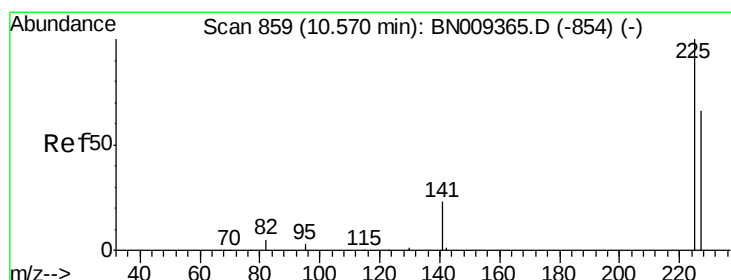
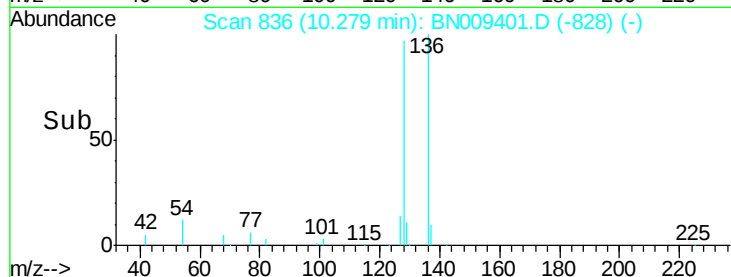
200

100

0

10.20 10.30 10.40

Time-->



#10

Hexachlorobutadiene

Concen: 0.086 ng

RT: 10.57 min Scan# 859

Delta R.T. -0.00 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

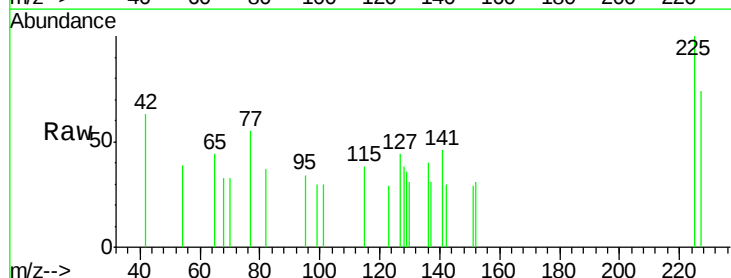
Tgt Ion:225 Resp: 234

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 64.1 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

10.57

200

150

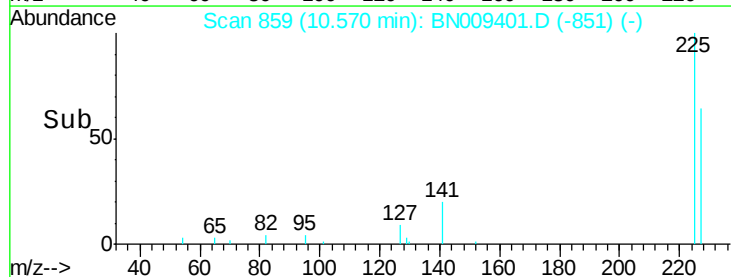
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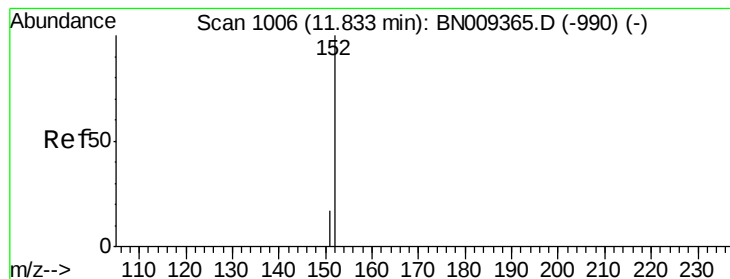
50

0

10.50 10.60

Time-->

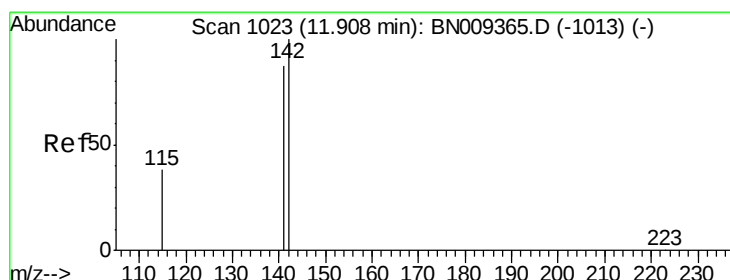
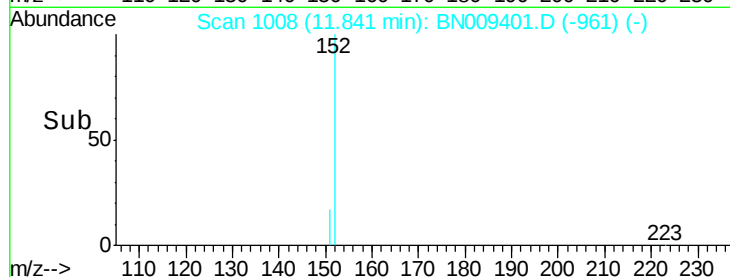
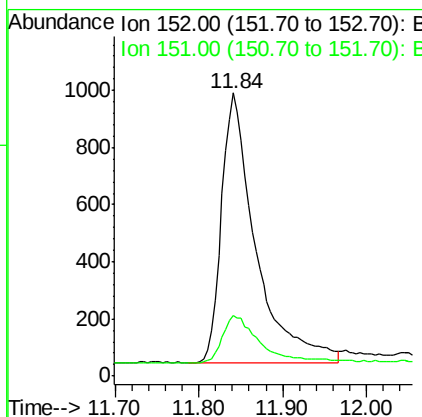
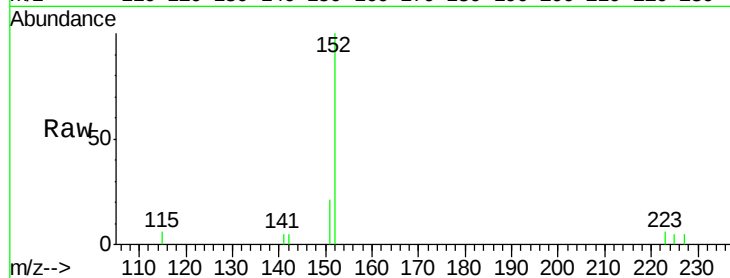




#11
2-Methylnaphthalene-d10
Concen: 0.302 ng
RT: 11.84 min Scan# 1008
Delta R.T. 0.01 min
Lab File: BN009401.D
Acq: 20 Jan 2020 13:51

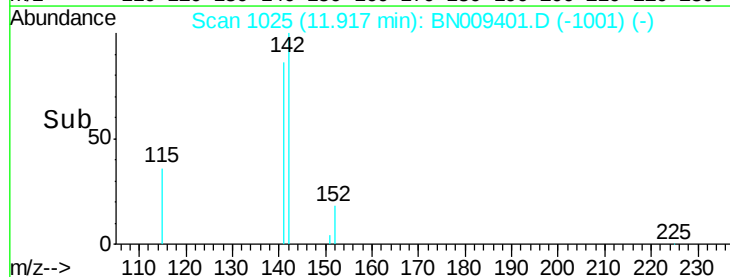
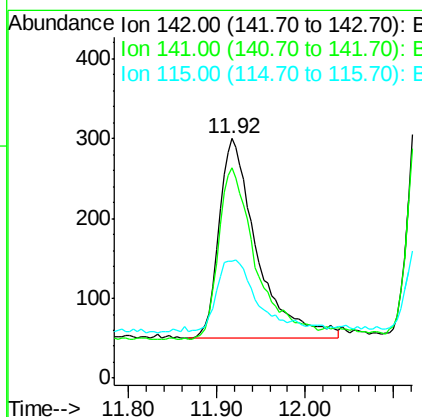
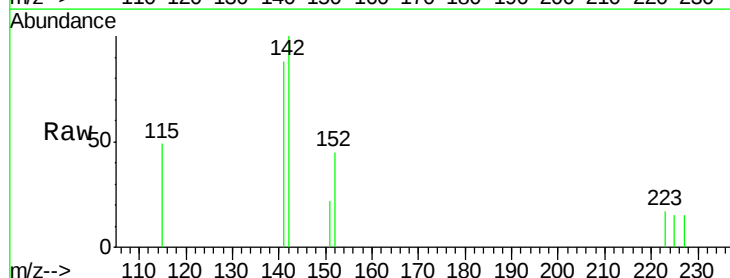
Instrument :
BNA_N
ClientSampled :

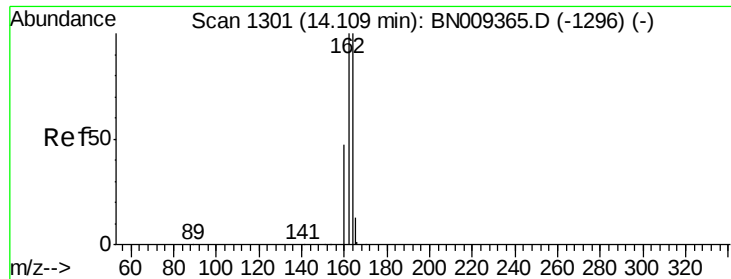
Tot Ion:152 Resp: 2677
Ion Ratio Lower Upper
152 100
151 19.1 14.8 22.2



#12
2-Methylnaphthalene
Concen: 0.086 ng
RT: 11.92 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BN009401.D
Acq: 20 Jan 2020 13:51

Tgt Ion:142 Resp: 745
Ion Ratio Lower Upper
142 100
141 88.0 69.8 104.6
115 49.0 32.5 48.7#

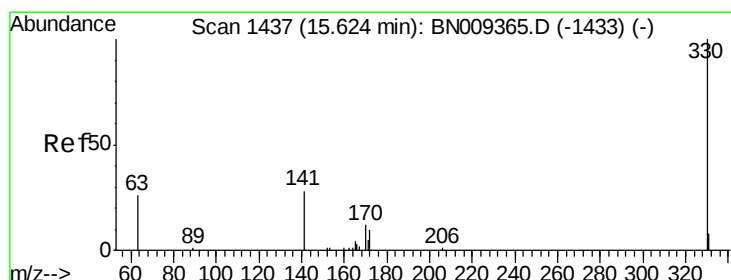
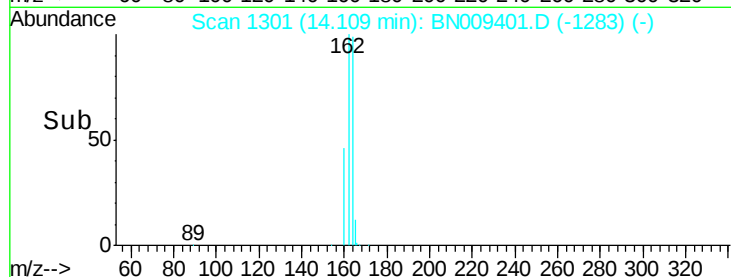
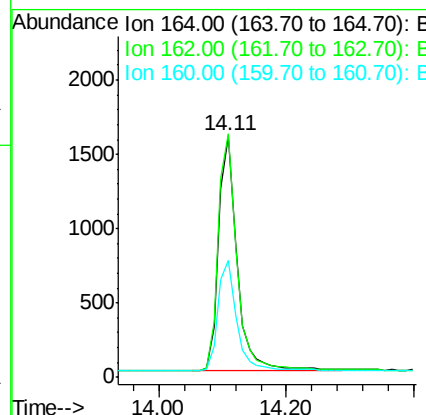
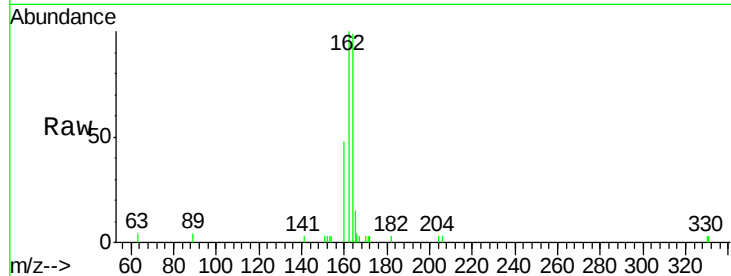




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.11 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BN009401.D
Acq: 20 Jan 2020 13:51

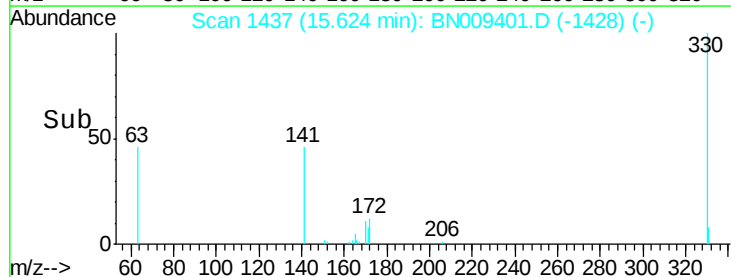
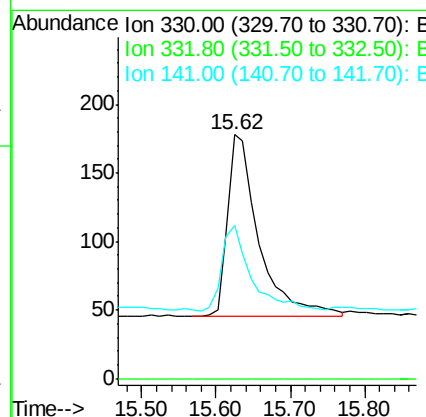
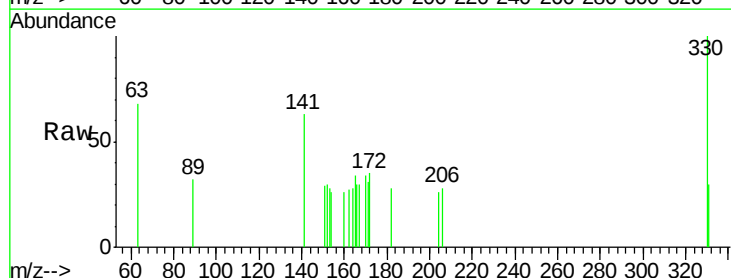
Instrument :
BNA_N
ClientSampleId :

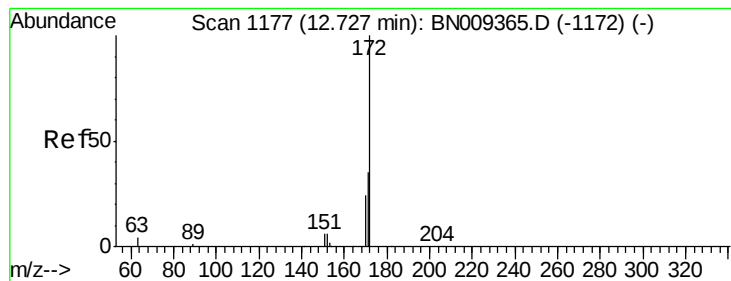
Tot Ion:164 Resp: 3120
Ion Ratio Lower Upper
164 100
162 100.8 79.8 119.6
160 48.2 38.4 57.6



#14
2,4,6-Tribromophenol
Concen: 0.332 ng
RT: 15.62 min Scan# 1437
Delta R.T. -0.00 min
Lab File: BN009401.D
Acq: 20 Jan 2020 13:51

Tgt Ion:330 Resp: 392
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 44.9 33.1 49.7





#15

2-Fluorobiphenyl

Concen: 0.347 ng

RT: 12.74 min Scan# 1178

Delta R.T. 0.01 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

Instrument :

BNA_N

ClientSampleId :

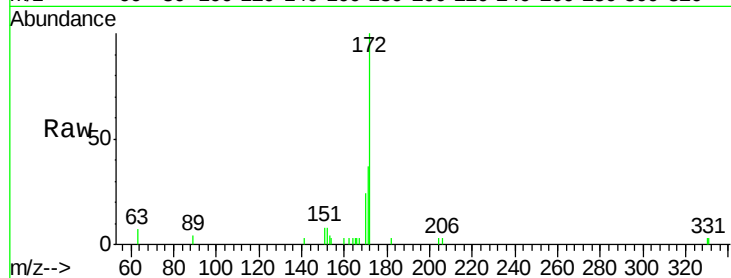
Tot Ion:172 Resp: 4052

Ion Ratio Lower Upper

172 100

171 36.5 29.5 44.3

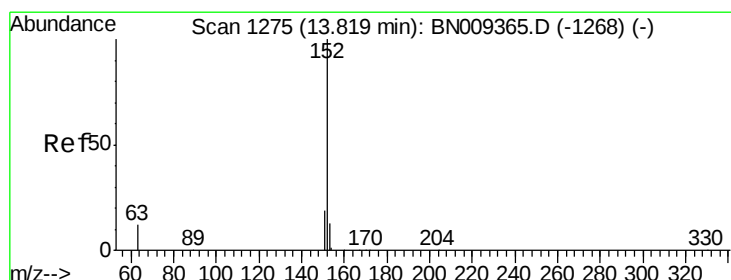
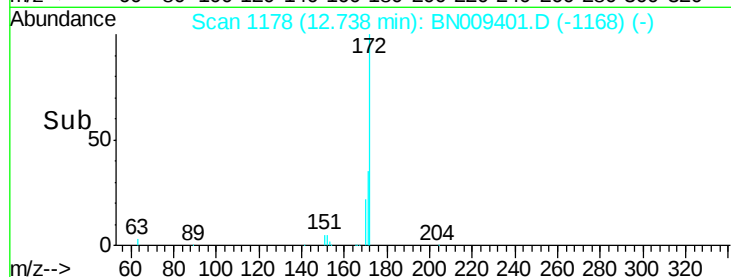
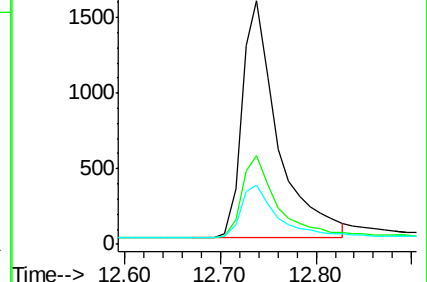
170 24.3 20.7 31.1



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: 0.080 ng

RT: 13.83 min Scan# 1276

Delta R.T. 0.01 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

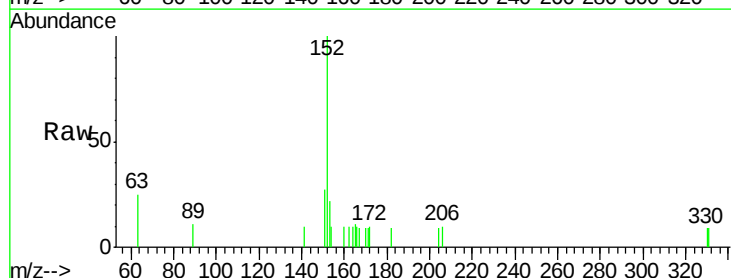
Tgt Ion:152 Resp: 1074

Ion Ratio Lower Upper

152 100

151 19.5 15.4 23.2

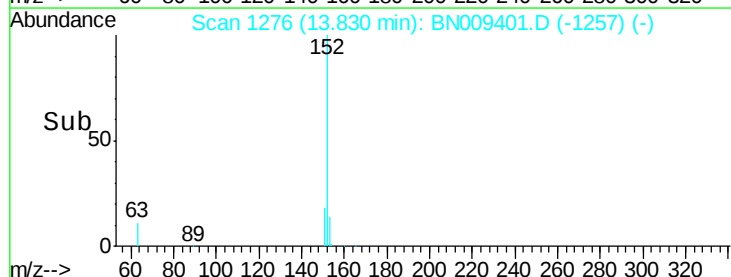
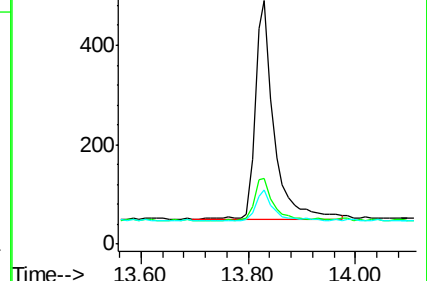
153 13.0 10.4 15.6

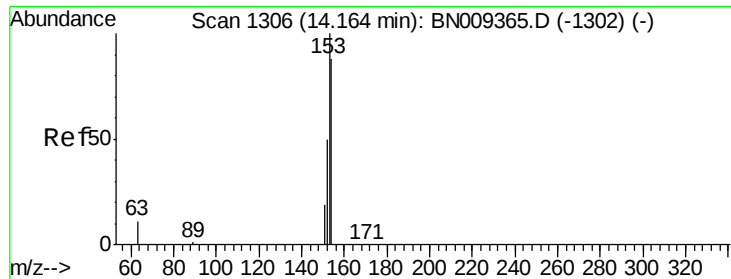


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

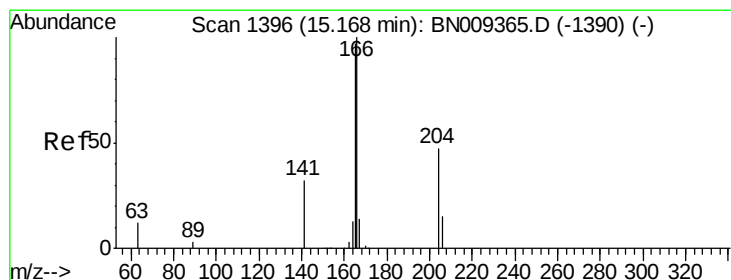
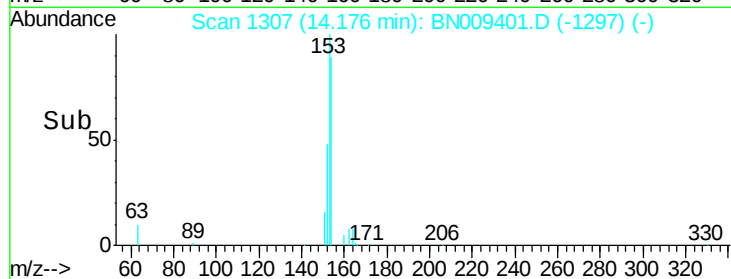
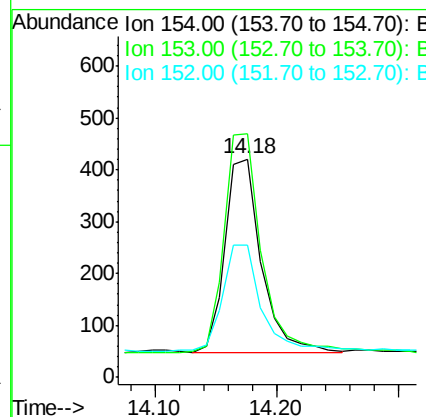
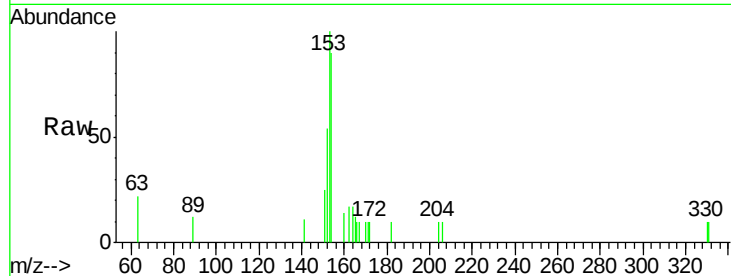




#17
Acenaphthene
Concen: 0.082 ng
RT: 14.18 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BN009401.D
Acq: 20 Jan 2020 13:51

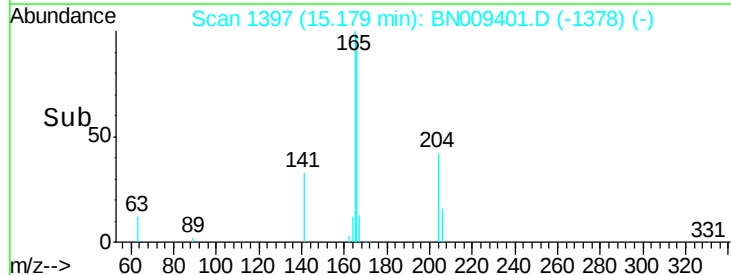
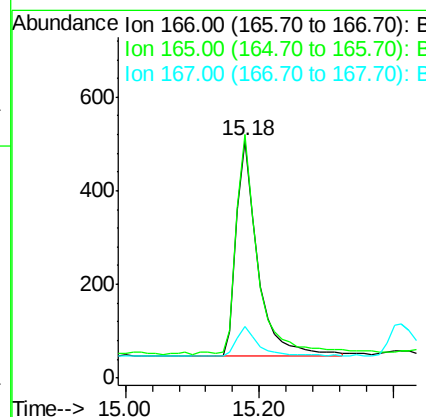
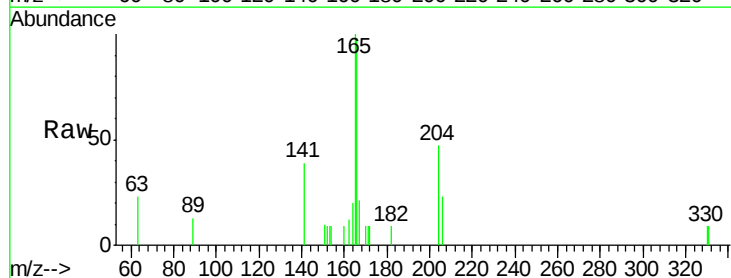
Instrument :
BNA_N
ClientSampleId :

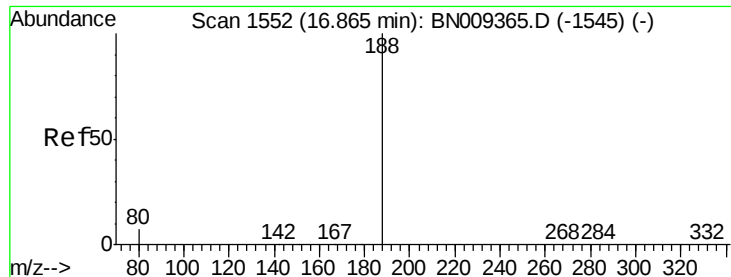
Tot Ion:154 Resp: 776
Ion Ratio Lower Upper
154 100
153 118.7 90.5 135.7
152 58.1 45.3 67.9



#18
Fluorene
Concen: 0.083 ng
RT: 15.18 min Scan# 1397
Delta R.T. 0.01 min
Lab File: BN009401.D
Acq: 20 Jan 2020 13:51

Tgt Ion:166 Resp: 1029
Ion Ratio Lower Upper
166 100
165 99.4 78.2 117.2
167 14.4 11.0 16.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.86 min Scan# 1552

Delta R.T. -0.00 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

Instrument :

BNA_N

ClientSampleId :

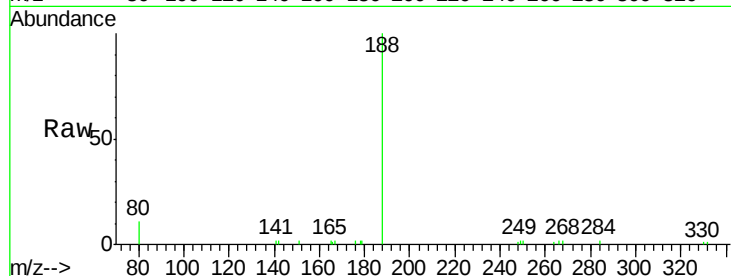
Tot Ion:188 Resp: 6850

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

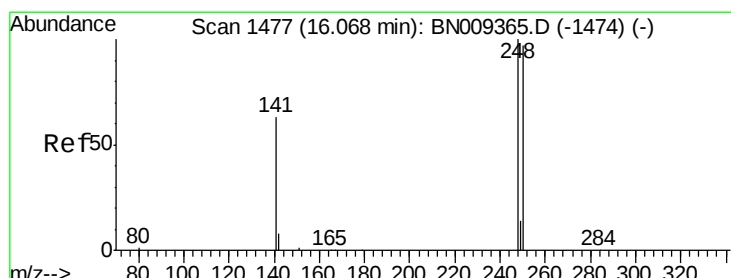
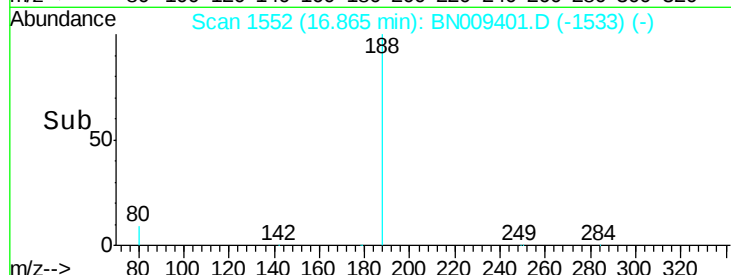
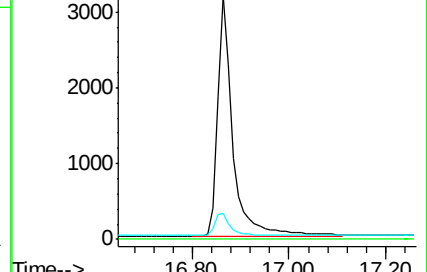
80 10.9 6.6 10.0#



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: 0.073 ng

RT: 16.08 min Scan# 1478

Delta R.T. 0.01 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

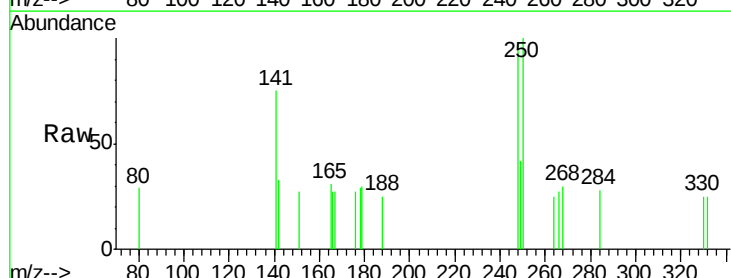
Tgt Ion:248 Resp: 303

Ion Ratio Lower Upper

248 100

250 101.7 77.8 116.8

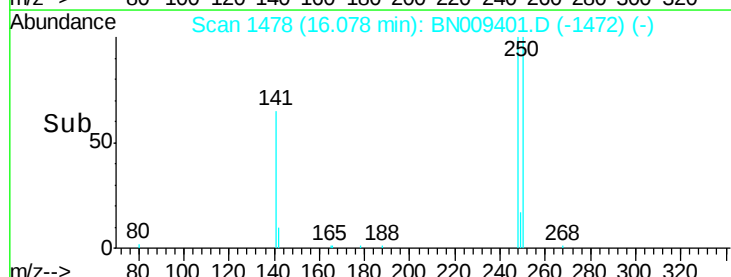
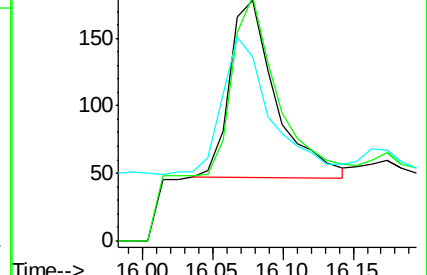
141 76.4 53.4 80.0

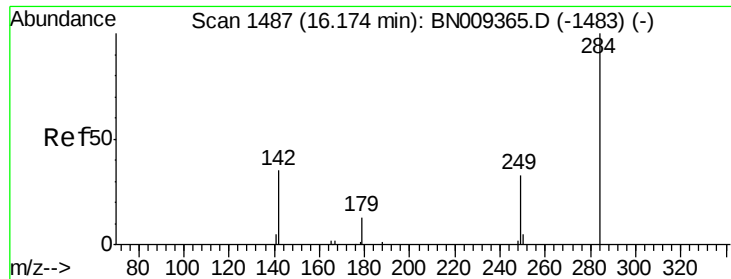


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.082 ng

RT: 16.17 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

Instrument :

BNA_N

ClientSampleId :

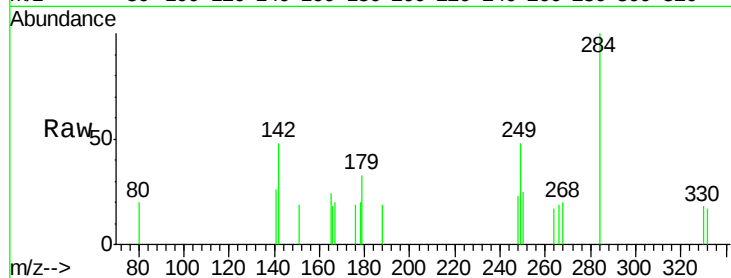
Tot Ion:284 Resp: 361

Ion Ratio Lower Upper

284 100

142 44.9 33.8 50.8

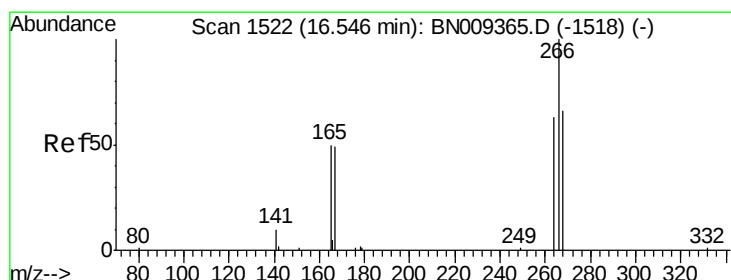
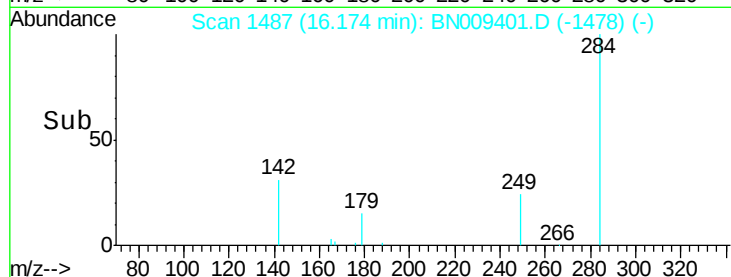
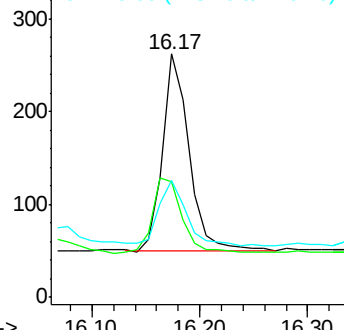
249 33.5 27.0 40.4



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: 0.199 ng

RT: 16.57 min Scan# 1524

Delta R.T. 0.02 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

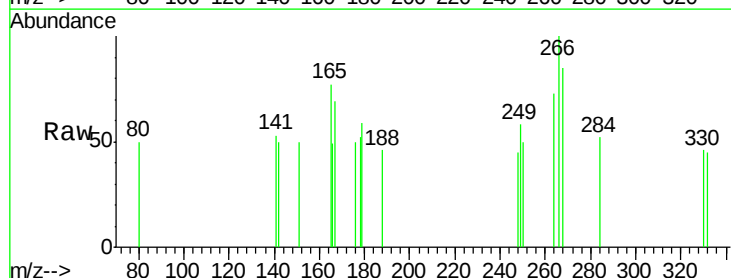
Tgt Ion:266 Resp: 245

Ion Ratio Lower Upper

266 100

264 73.3 57.8 86.6

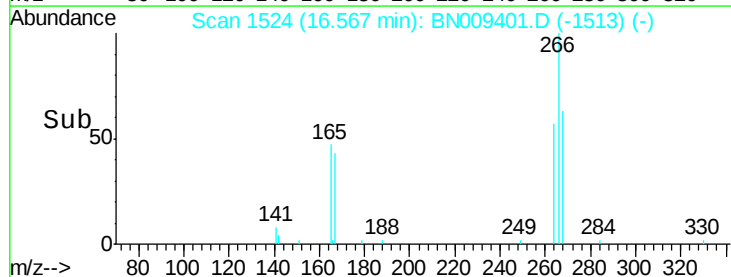
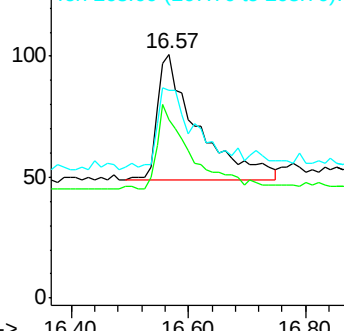
268 85.1 63.8 95.6

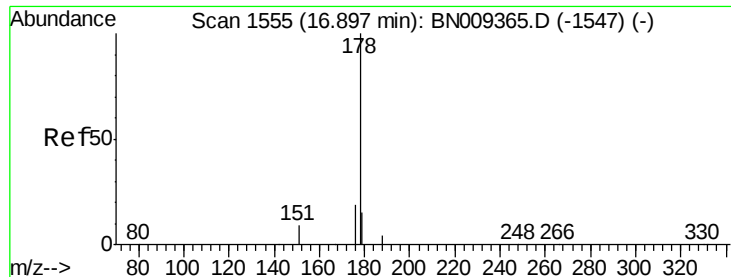


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.080 ng

RT: 16.91 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

Instrument :

BNA_N

ClientSampleId :

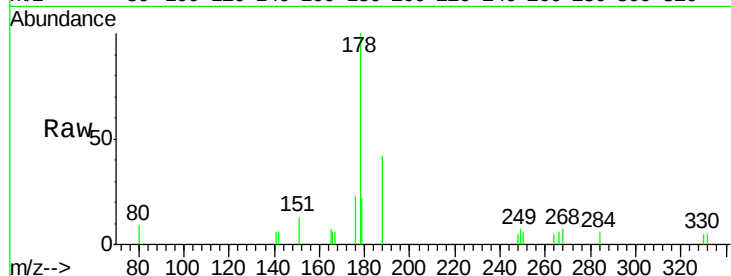
Tot Ion:178 Resp: 1650

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

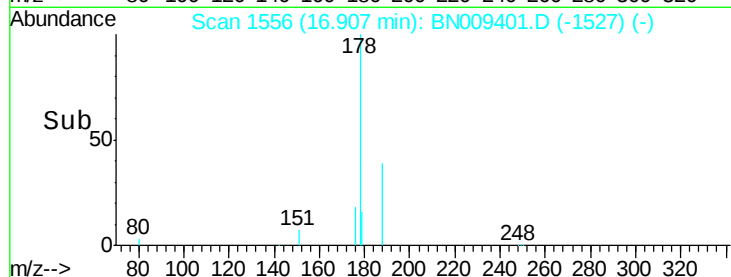
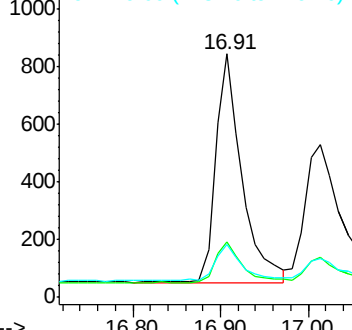
179 16.5 12.3 18.5



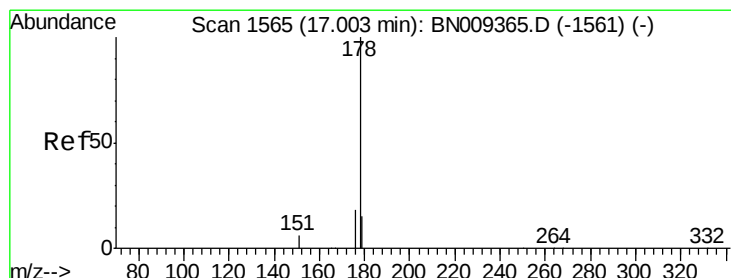
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.075 ng

RT: 17.01 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

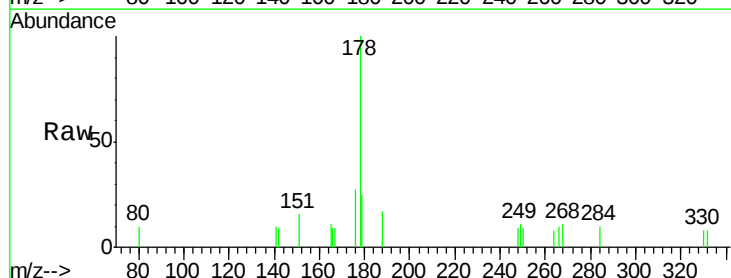
Tgt Ion:178 Resp: 1289

Ion Ratio Lower Upper

178 100

176 17.1 14.6 21.8

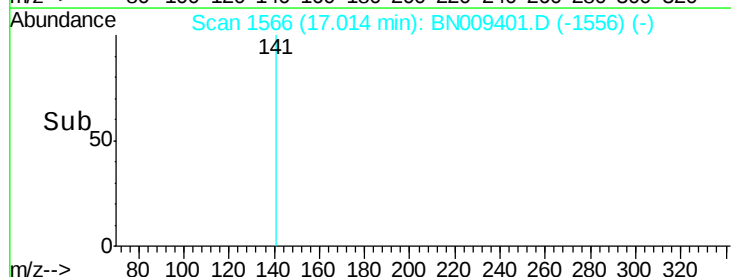
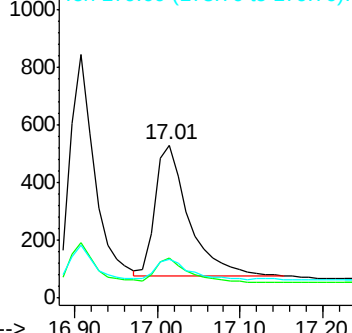
179 14.4 12.5 18.7

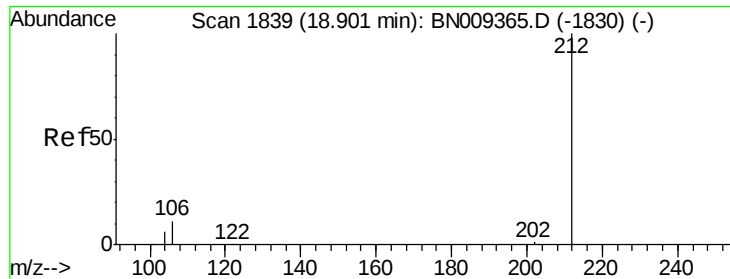


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

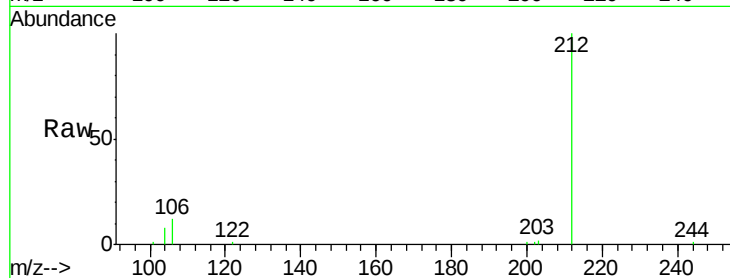




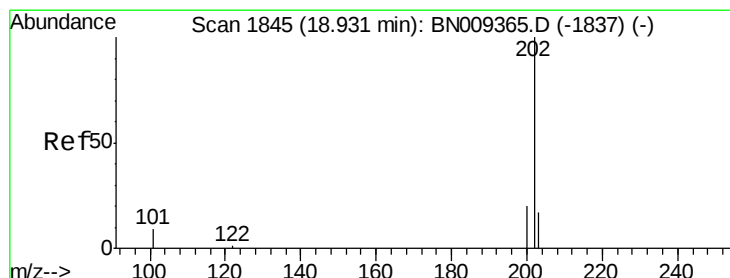
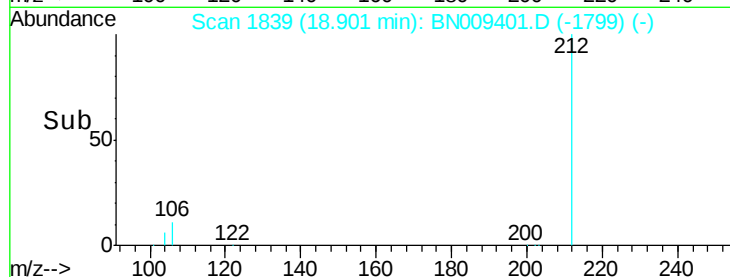
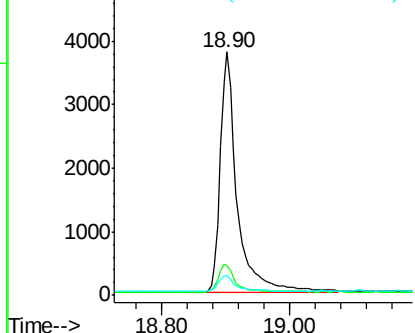
#25
 Fluoranthene-d10
 Concen: 0.301 ng
 RT: 18.90 min Scan# 1839
 Delta R.T. -0.00 min
 Lab File: BN009401.D
 Acq: 20 Jan 2020 13:51

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:212 Resp: 7061
 Ion Ratio Lower Upper
 212 100
 106 11.4 9.2 13.8
 104 6.8 5.4 8.0

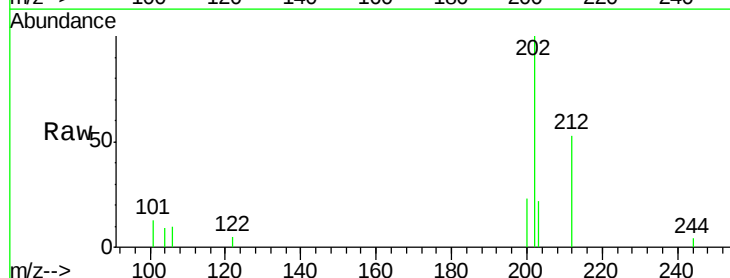


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

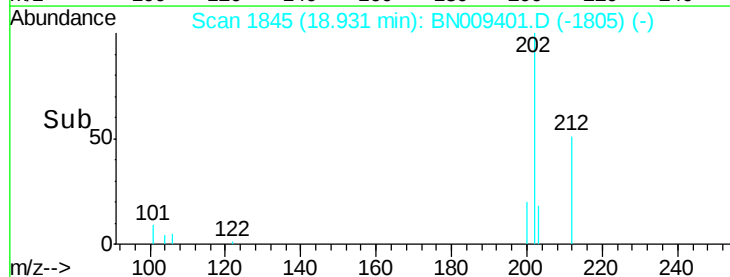
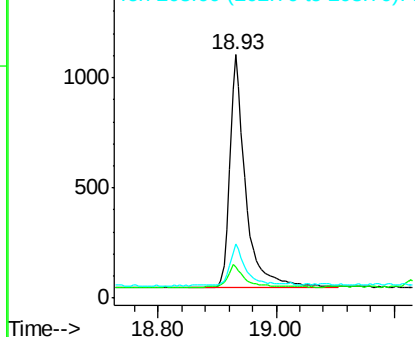


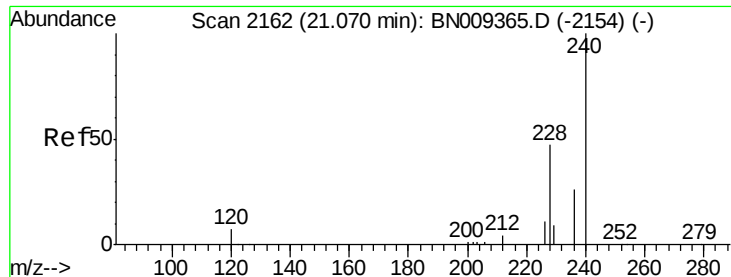
#26
 Fluoranthene
 Concen: 0.083 ng
 RT: 18.93 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: BN009401.D
 Acq: 20 Jan 2020 13:51

Tgt Ion:202 Resp: 2007
 Ion Ratio Lower Upper
 202 100
 101 9.9 8.0 12.0
 203 16.4 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: 21.07 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

Instrument :

BNA_N

ClientSampleId :

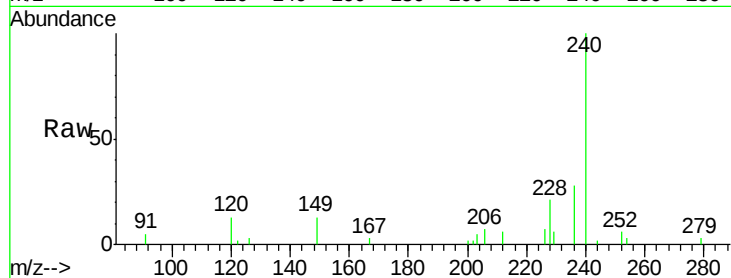
Tot Ion:240 Resp: 5710

Ion Ratio Lower Upper

240 100

120 12.9 8.1 12.1#

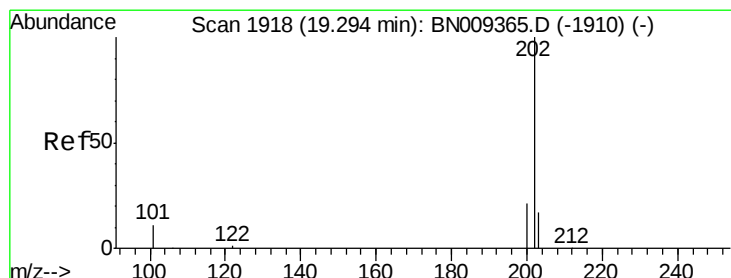
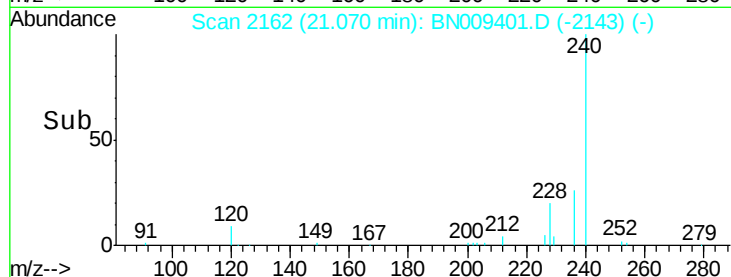
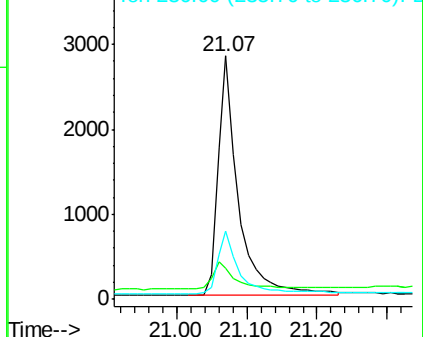
236 28.0 22.2 33.4



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: 0.092 ng

RT: 19.30 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

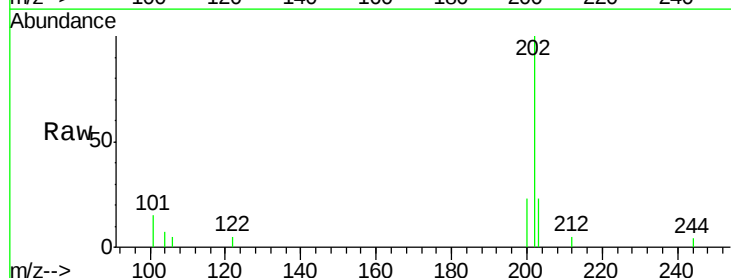
Tgt Ion:202 Resp: 1983

Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.2

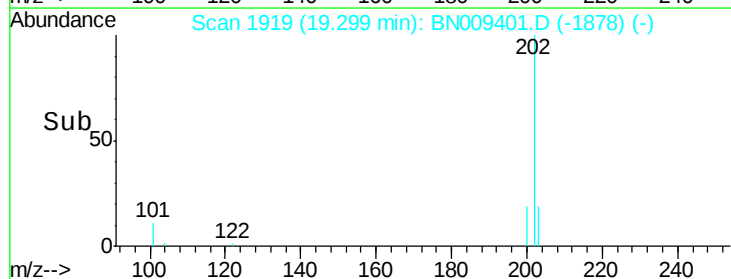
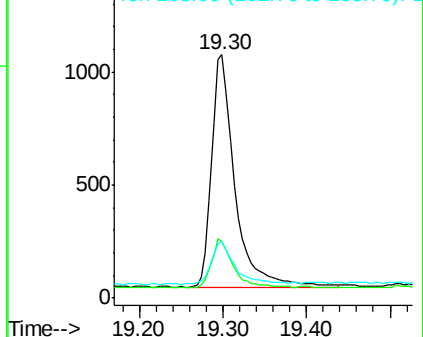
203 19.3 14.1 21.1

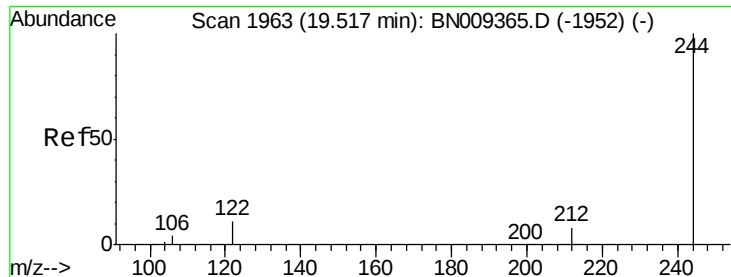


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.406 ng

RT: 19.51 min Scan# 1962

Delta R.T. -0.00 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

Instrument :

BNA_N

ClientSampleId :

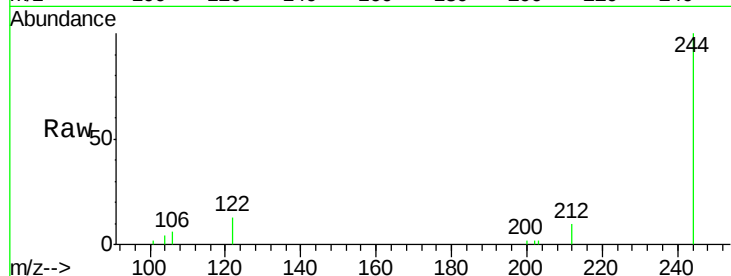
Tot Ion:244 Resp: 5497

Ion Ratio Lower Upper

244 100

212 10.3 7.5 11.3

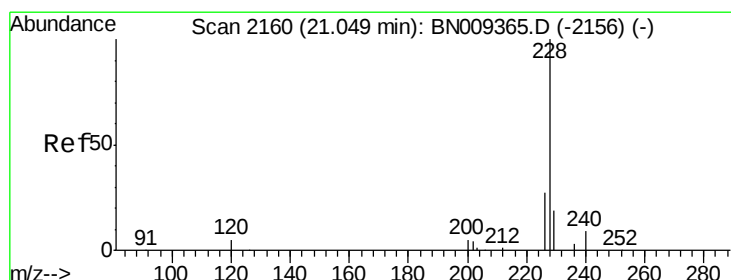
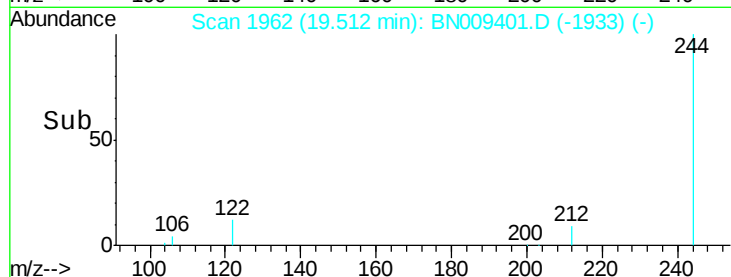
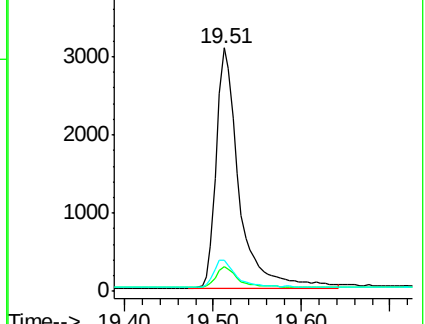
122 12.9 9.8 14.6



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: 0.106 ng

RT: 21.10 min Scan# 2165

Delta R.T. 0.05 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

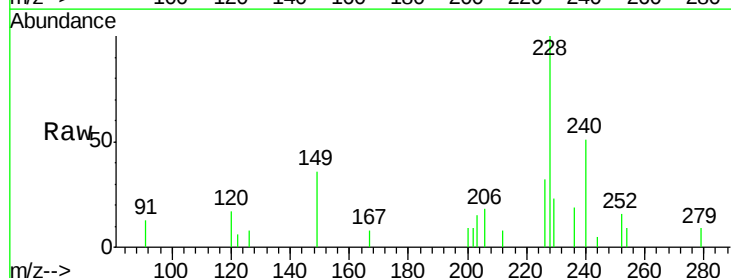
Tgt Ion:228 Resp: 1997

Ion Ratio Lower Upper

228 100

226 32.3 22.5 33.7

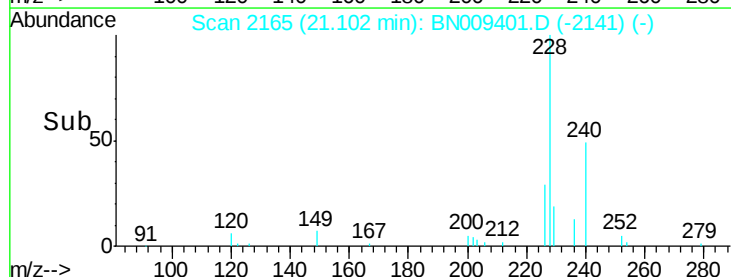
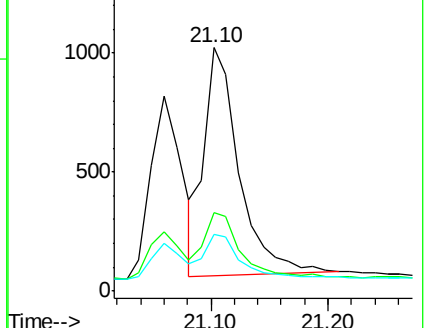
229 23.3 16.1 24.1

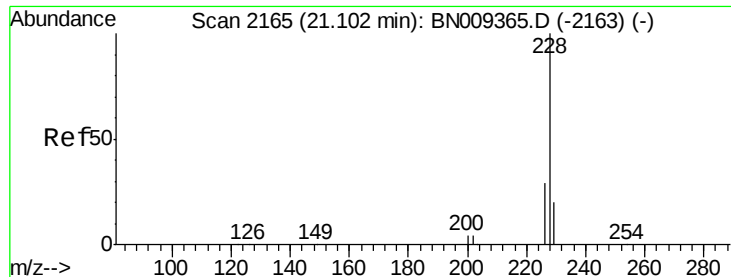


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.093 ng

RT: 21.10 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

Instrument :

BNA_N

ClientSampled :

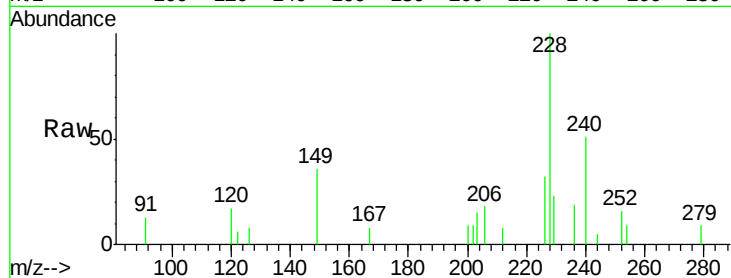
Tot Ion:228 Resp: 2005

Ion Ratio Lower Upper

228 100

226 32.3 23.8 35.8

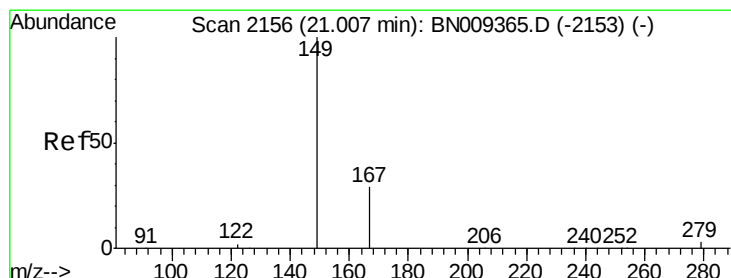
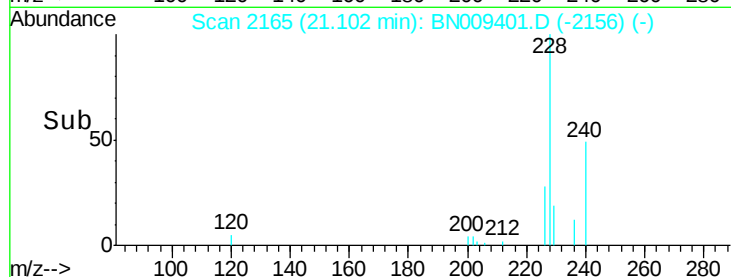
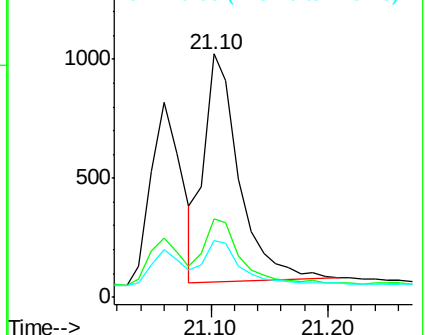
229 23.3 16.6 24.8



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: 0.097 ng

RT: 21.01 min Scan# 2156

Delta R.T. -0.00 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

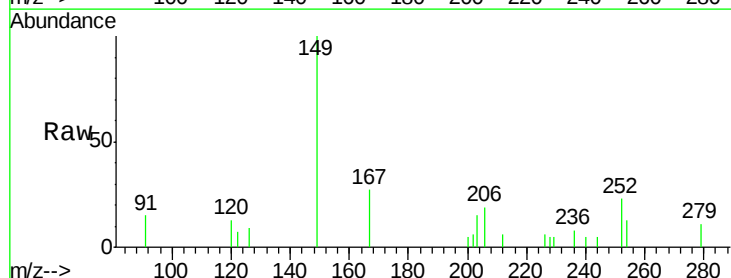
Tgt Ion:149 Resp: 808

Ion Ratio Lower Upper

149 100

167 27.0 22.9 34.3

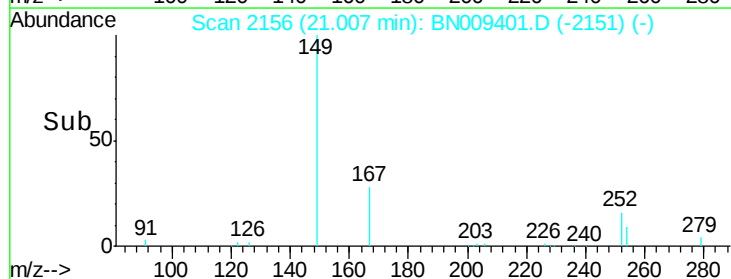
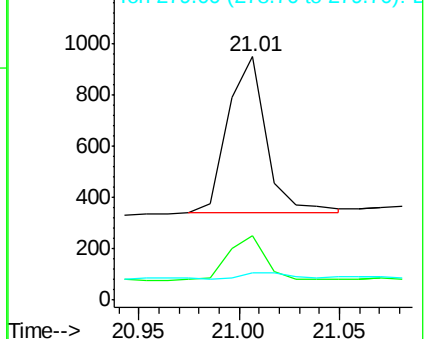
279 5.0 3.4 5.0

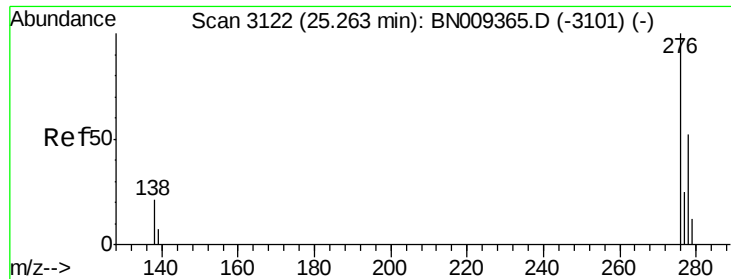


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

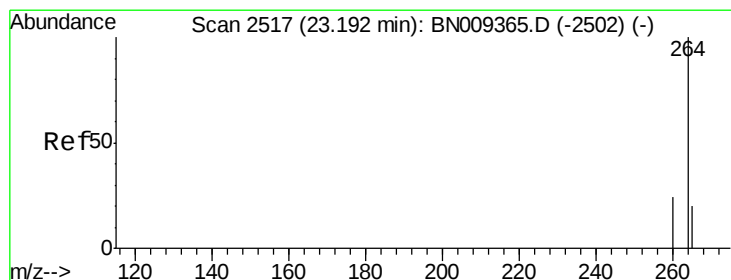
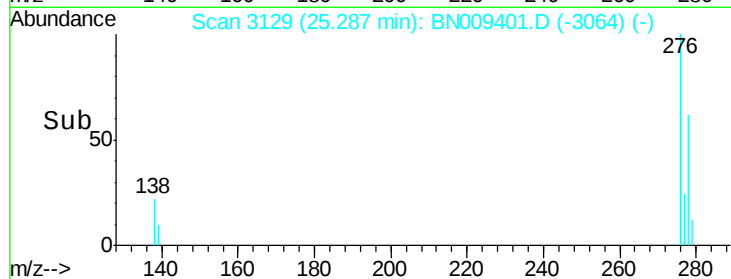
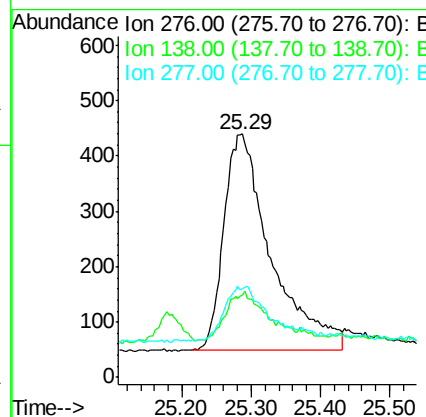
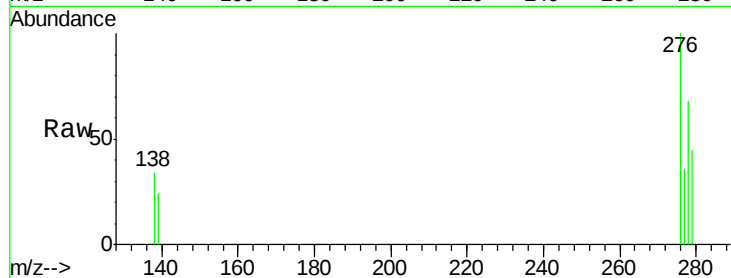




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.083 ng
 RT: 25.29 min Scan# 3129
 Delta R.T. 0.02 min
 Lab File: BN009401.D
 Acq: 20 Jan 2020 13:51

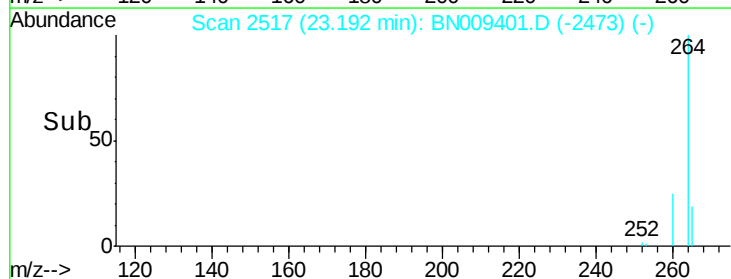
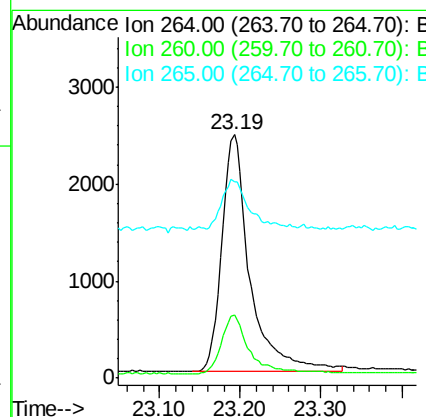
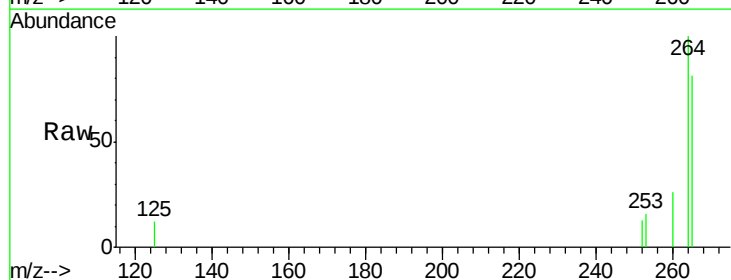
Instrument :
 BNA_N
 ClientSampleId :

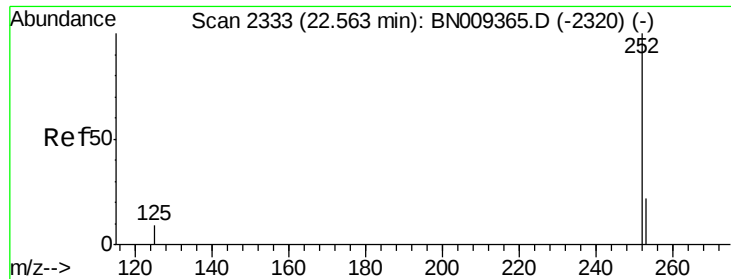
Tot Ion:276 Resp: 1853
 Ion Ratio Lower Upper
 276 100
 138 18.8 15.9 23.9
 277 8.8 19.8 29.6#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.19 min Scan# 2517
 Delta R.T. -0.00 min
 Lab File: BN009401.D
 Acq: 20 Jan 2020 13:51

Tgt Ion:264 Resp: 5919
 Ion Ratio Lower Upper
 264 100
 260 26.0 20.1 30.1
 265 80.8 68.2 102.4





#35

Benzo(b)fluoranthene

Concen: 0.077 ng

RT: 22.57 min Scan# 2335

Delta R.T. 0.01 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

Instrument :

BNA_N

ClientSampleId :

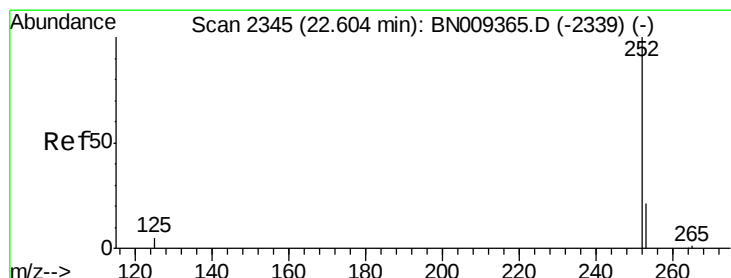
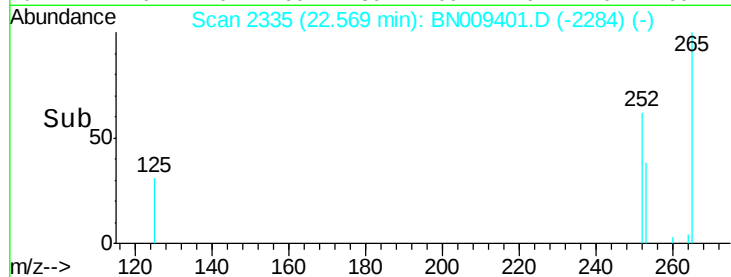
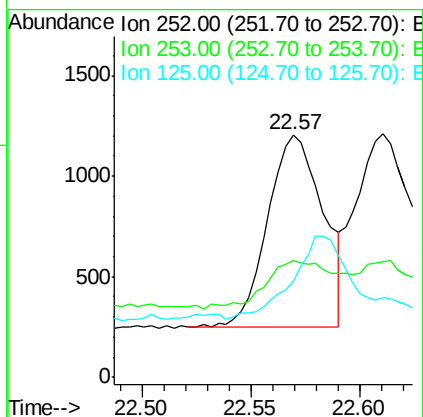
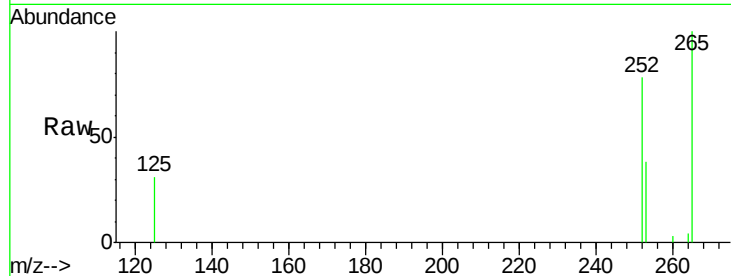
Tot Ion:252 Resp: 1676

Ion Ratio Lower Upper

252 100

253 48.3 22.4 33.6#

125 39.8 11.6 17.4#



#36

Benzo(k)fluoranthene

Concen: 0.086 ng

RT: 22.61 min Scan# 2347

Delta R.T. 0.01 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

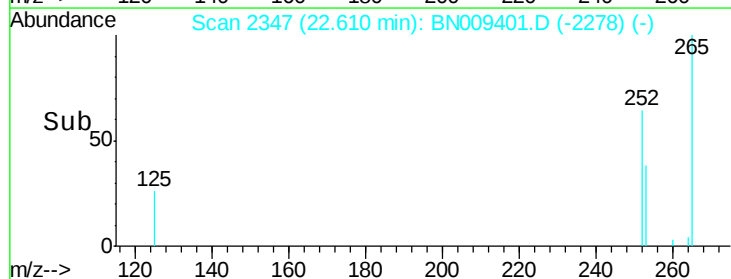
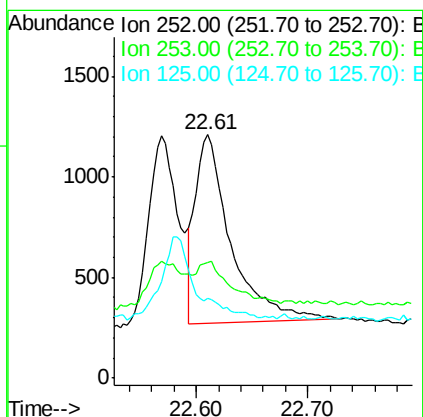
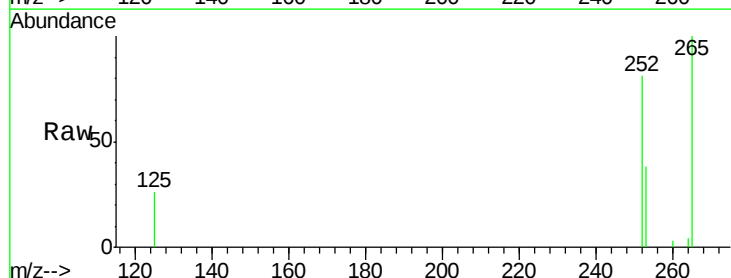
Tgt Ion:252 Resp: 2074

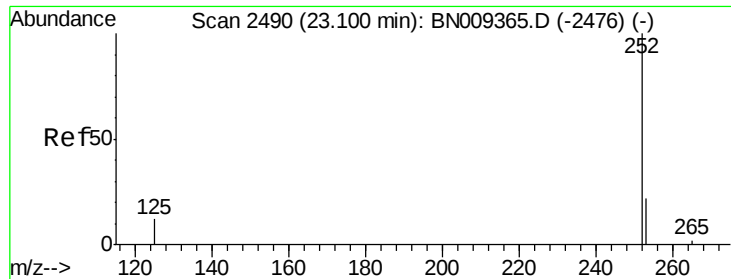
Ion Ratio Lower Upper

252 100

253 47.5 21.9 32.9#

125 32.7 12.0 18.0#





#37

Benzo(a)pyrene

Concen: 0.090 ng

RT: 23.11 min Scan# 2493

Delta R.T. 0.01 min

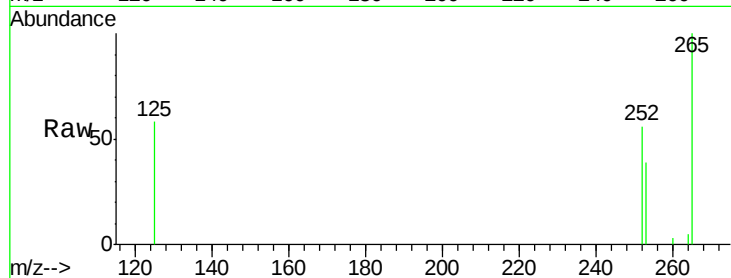
Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

Instrument :

BNA_N

ClientSampled :



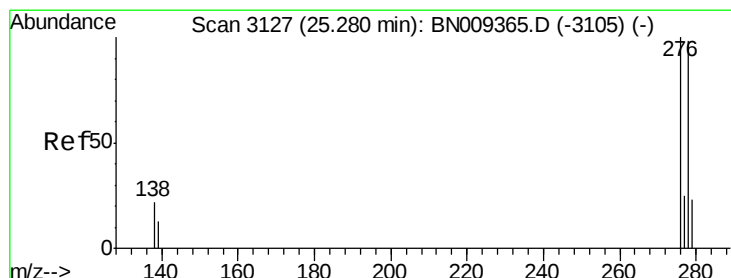
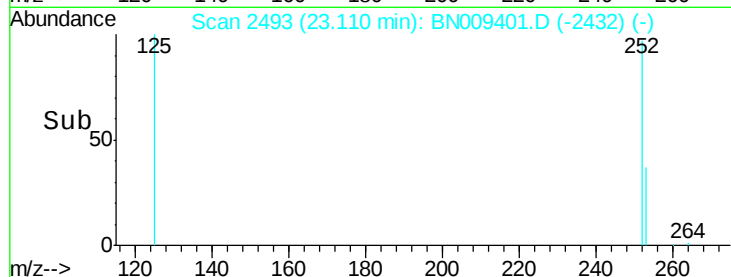
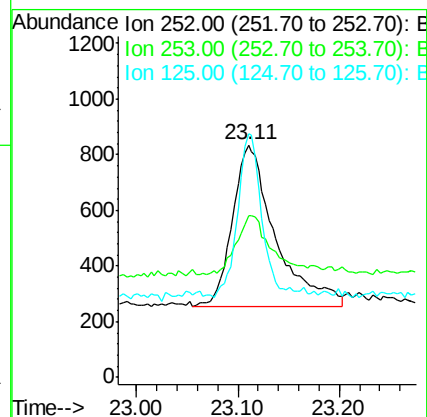
Tot Ion:252 Resp: 1723

Ion Ratio Lower Upper

252 100

253 69.5 25.4 38.0#

125 104.7 16.2 24.2#



#38

Dibenzo(a,h)anthracene

Concen: 0.074 ng

RT: 25.30 min Scan# 3133

Delta R.T. 0.02 min

Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

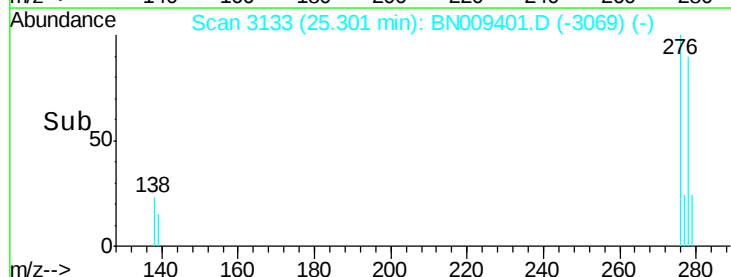
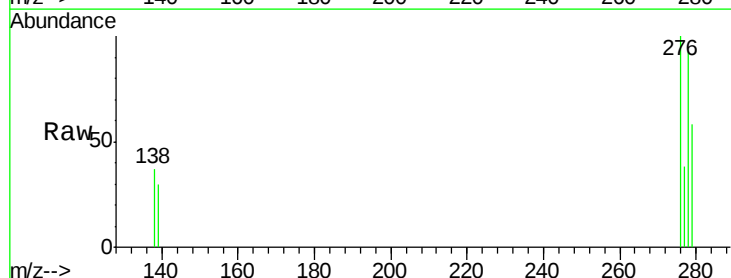
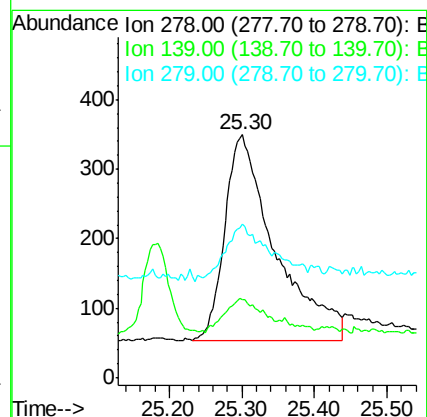
Tgt Ion:278 Resp: 1424

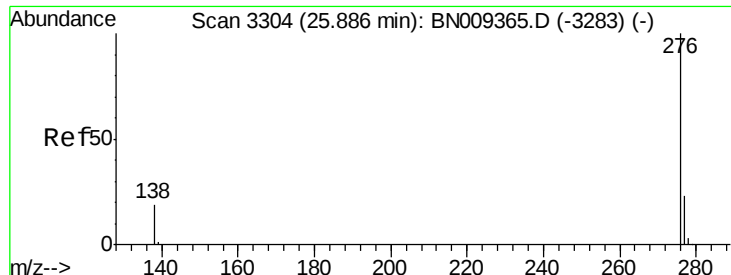
Ion Ratio Lower Upper

278 100

139 32.0 14.5 21.7#

279 63.1 24.2 36.4#





#39

Benzo(a,h,i)perylene

Concen: 0.086 ng

RT: 25.91 min Scan# 3310

Delta R.T. 0.02 min

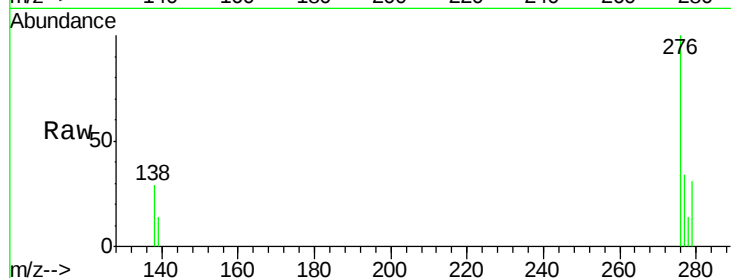
Lab File: BN009401.D

Acq: 20 Jan 2020 13:51

Instrument :

BNA_N

ClientSampleId :



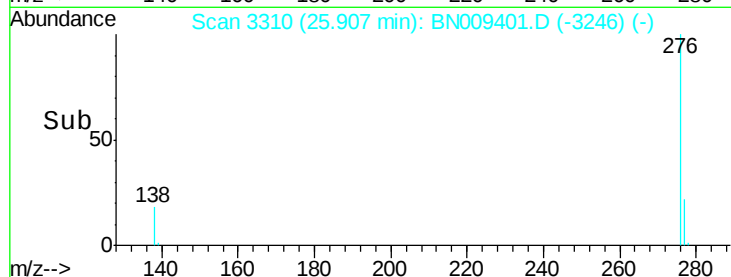
Tot Ion: 276 Resp: 1830

Ion Ratio Lower Upper

276 100

277 33.7 20.6 30.8#

138 29.2 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

