

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012120\
 Data File : BN009411.D
 Acq On : 21 Jan 2020 12:52
 Operator : JU
 Sample : K5111-09
 Misc : 0.1 MDL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jan 21 16:15:25 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 21 16:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	1256	0.40	ng	0.00
7) Naphthalene-d8	10.24	136	4115	0.40	ng	0.01
13) Acenaphthene-d10	14.11	164	2651	0.40	ng	0.00
19) Phenanthrene-d10	16.87	188	5730	0.40	ng	0.00
27) Chrysene-d12	21.07	240	4835	0.40	ng	0.00
34) Perylene-d12	23.19	264	4861	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.12	112	928	0.32	ng	0.00
5) Phenol-d6	6.69	99	923	0.28	ng	0.02
8) Nitrobenzene-d5	8.66	82	913	0.28	ng	0.02
11) 2-Methylnaphthalene-d10	11.85	152	2114	0.27	ng	0.02
14) 2,4,6-Tribromophenol	15.64	330	261	0.26	ng	0.02
15) 2-Fluorobiphenyl	12.74	172	3091	0.31	ng	0.02
25) Fluoranthene-d10	18.90	212	4972	0.25	ng	0.00
29) Terphenyl-d14	19.51	244	4005	0.35	ng	0.00

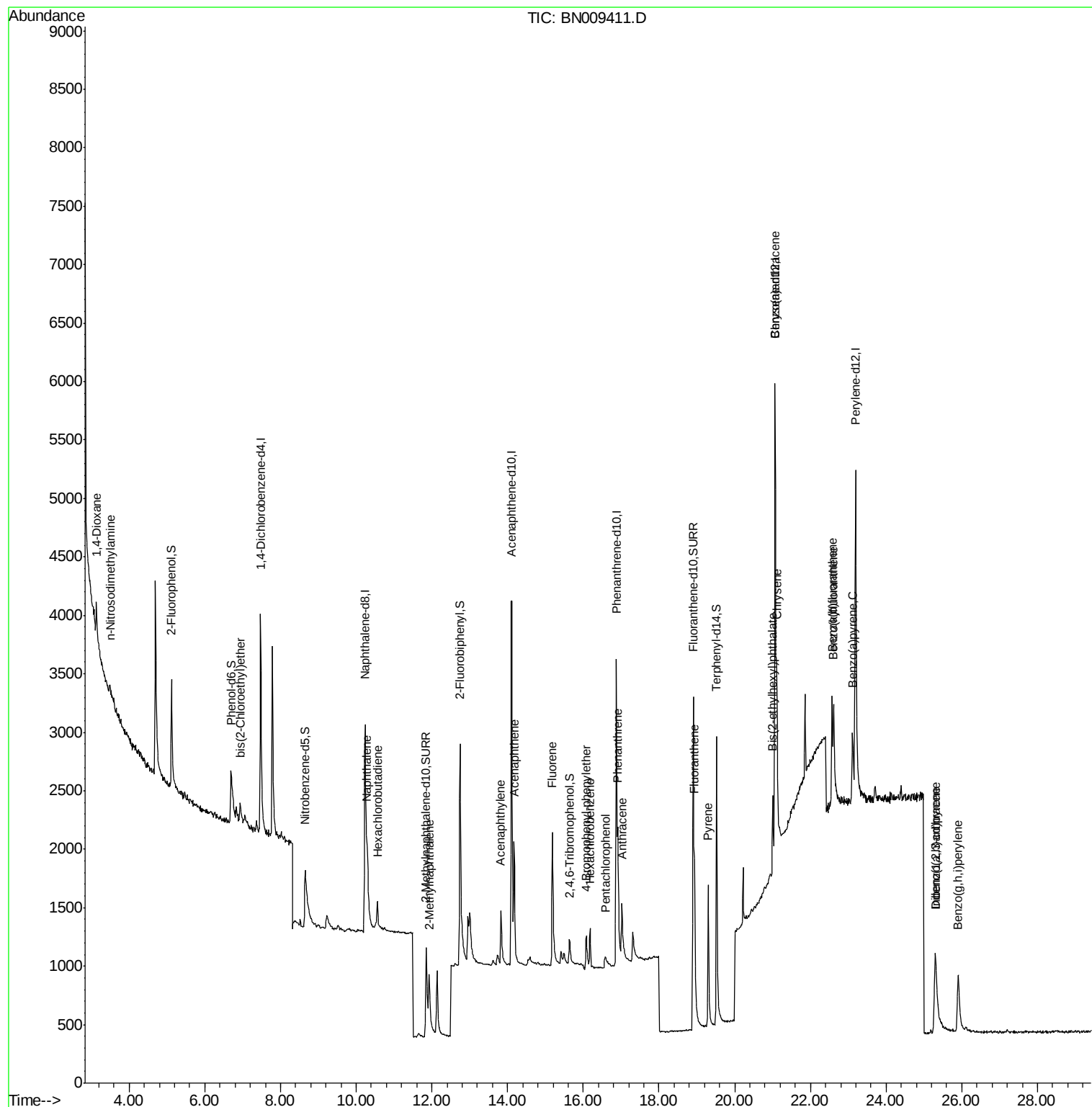
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.14	88	112	0.086	ng	# 63
3) n-Nitrosodimethylamine	3.51	42	72	0.036	ng	# 44
6) bis(2-Chloroethyl)ether	6.94	93	264	0.077	ng	# 82
9) Naphthalene	10.29	128	922	0.083	ng	# 72
10) Hexachlorobutadiene	10.57	225	206	0.084	ng	# 99
12) 2-Methylnaphthalene	11.93	142	605	0.078	ng	# 86
16) Acenaphthylene	13.82	152	838	0.073	ng	98
17) Acenaphthene	14.17	154	631	0.078	ng	98
18) Fluorene	15.18	166	816	0.078	ng	97
20) 4-Bromophenyl-phenylether	16.08	248	239	0.069	ng	# 89
21) Hexachlorobenzene	16.18	284	279	0.076	ng	92
22) Pentachlorophenol	16.58	266	156	0.151	ng	90
23) Phenanthrene	16.91	178	1325	0.077	ng	98
24) Anthracene	17.02	178	980	0.068	ng	96
26) Fluoranthene	18.93	202	1603	0.079	ng	99
28) Pyrene	19.30	202	1582	0.086	ng	99
30) Benzo(a)anthracene	21.07	228	1148	0.072	ng	# 91
31) Chrysene	21.11	228	1514	0.083	ng	92
32) Bis(2-ethylhexyl)phthalate	21.00	149	556	0.079	ng	# 98
33) Indeno(1,2,3-cd)pyrene	25.29	276	1435	0.076	ng	# 70
35) Benzo(b)fluoranthene	22.57	252	1223	0.068	ng	# 48
36) Benzo(k)fluoranthene	22.62	252	1515	0.077	ng	# 49
37) Benzo(a)pyrene	23.11	252	1370	0.087	ng	# 29
38) Dibenzo(a,h)anthracene	25.31	278	1047	0.066	ng	# 37
39) Benzo(g,h,i)perylene	25.91	276	1449	0.083	ng	# 77

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

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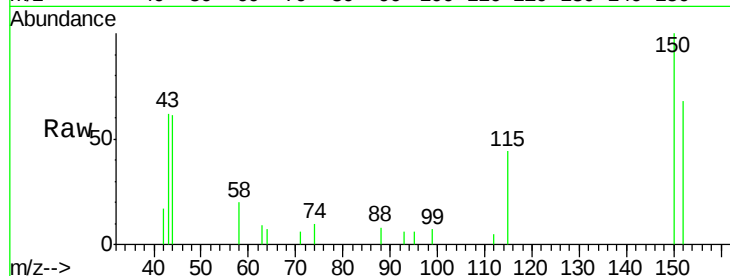


#1

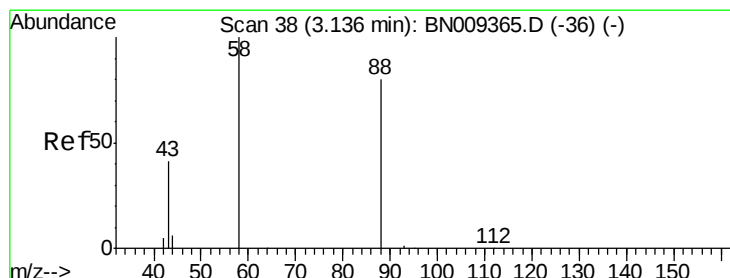
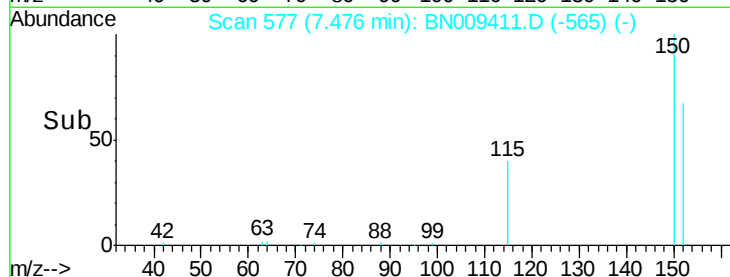
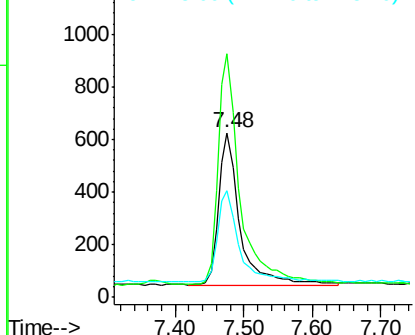
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 1256
Ion Ratio Lower Upper
152 100
150 147.9 125.7 188.5
115 64.9 53.3 79.9



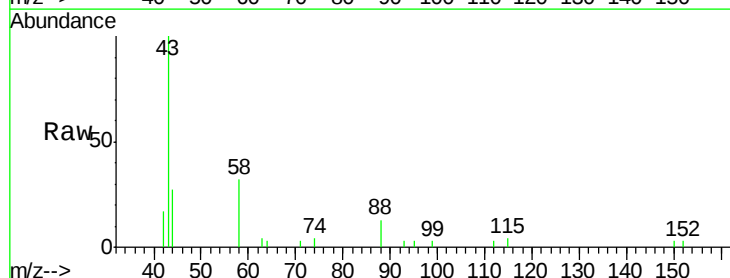
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



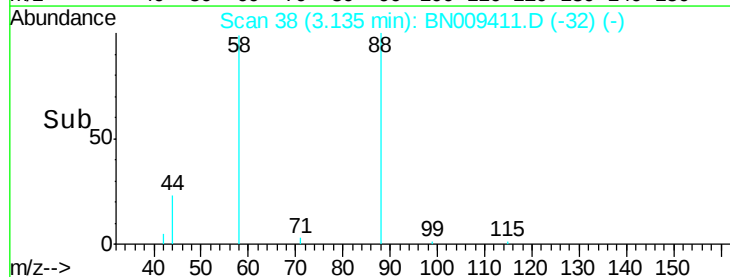
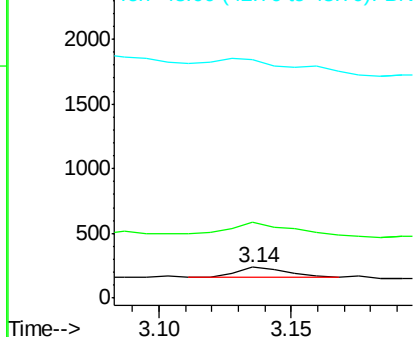
#2

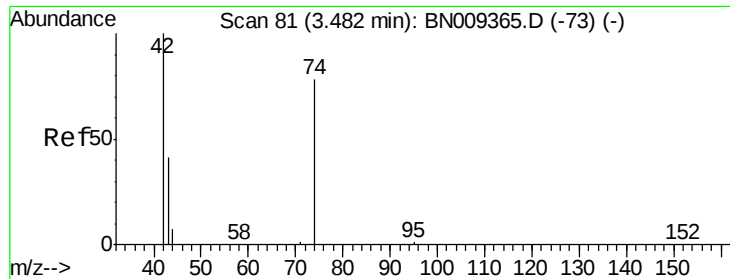
1,4-Dioxane
Concen: 0.086 ng
RT: 3.14 min Scan# 38
Delta R.T. -0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion: 88 Resp: 112
Ion Ratio Lower Upper
88 100
58 149.1 100.2 150.2
43 0.0 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: 0.036 ng

RT: 3.51 min Scan# 84

Delta R.T. 0.02 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

Instrument :

BNA_N

ClientSampleId :

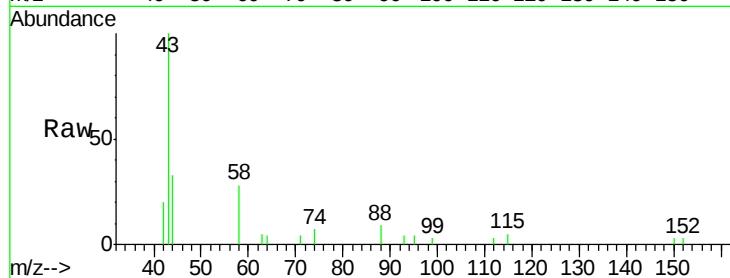
Tot Ion: 42 Resp: 72

Ion Ratio Lower Upper

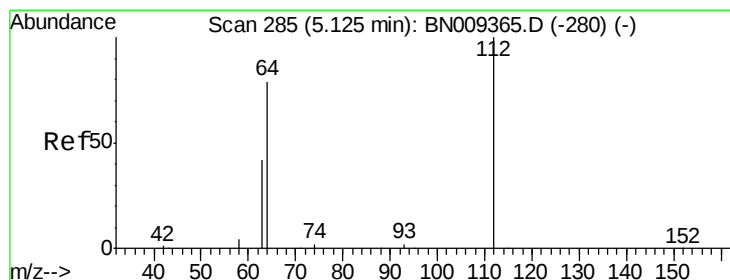
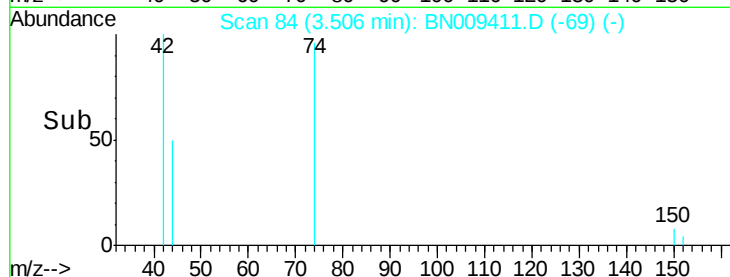
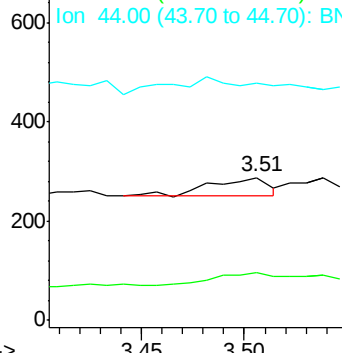
42 100

74 119.4 55.8 83.8#

44 0.0 11.1 16.7#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.321 ng

RT: 5.12 min Scan# 285

Delta R.T. -0.00 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

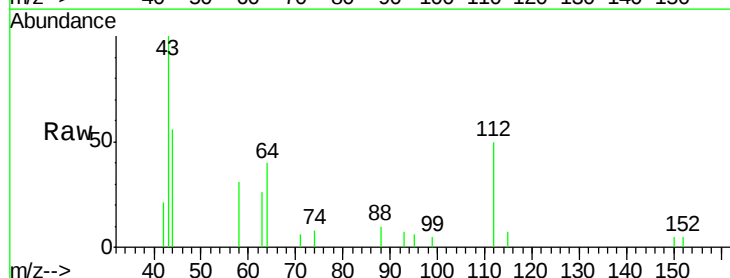
Tgt Ion: 112 Resp: 928

Ion Ratio Lower Upper

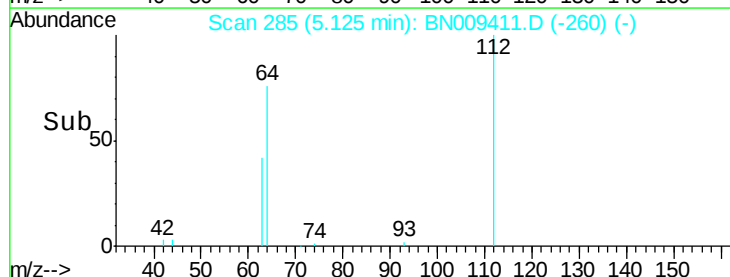
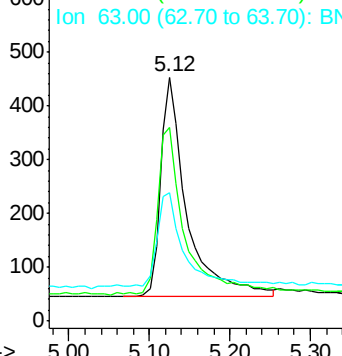
112 100

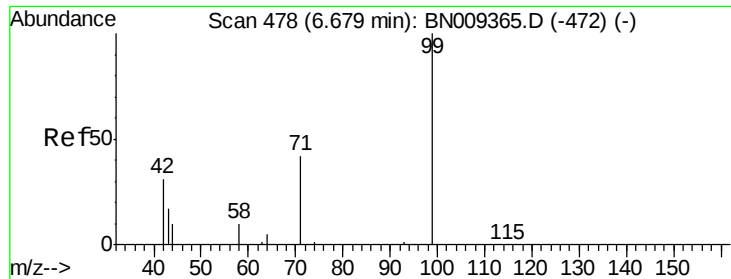
64 82.5 61.5 92.3

63 44.5 35.0 52.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.276 ng

RT: 6.69 min Scan# 480

Delta R.T. 0.02 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

Instrument :

BNA_N

ClientSampled :

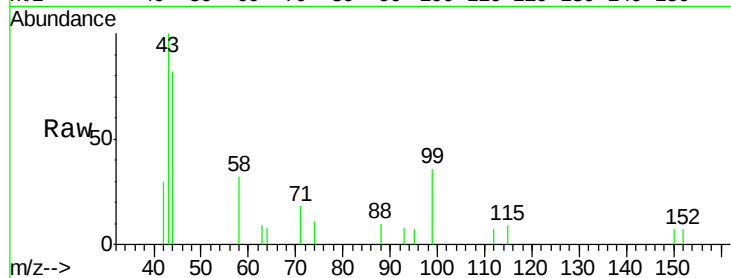
Tot Ion: 99 Resp: 923

Ion Ratio Lower Upper

99 100

42 32.5 27.6 41.4

71 42.3 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BN009411.D (-472) (-)

Ion 42.00 (41.70 to 42.70): BN009411.D (-472) (-)

Ion 71.00 (70.70 to 71.70): BN009411.D (-472) (-)

6.69

300

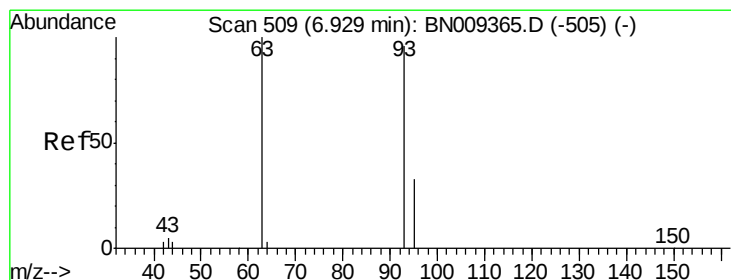
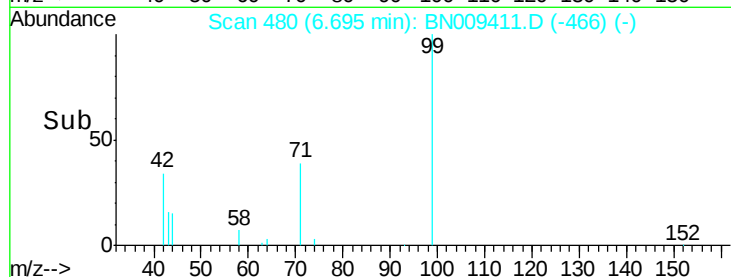
200

100

0

6.60 6.70 6.80 6.90

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.077 ng

RT: 6.94 min Scan# 510

Delta R.T. 0.01 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

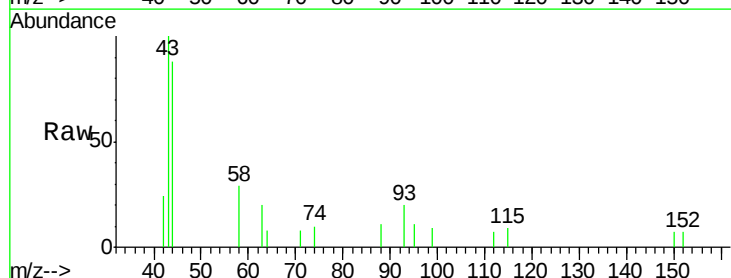
Tgt Ion: 93 Resp: 264

Ion Ratio Lower Upper

93 100

63 87.5 85.1 127.7

95 26.5 30.2 45.4#



Abundance Ion 93.00 (92.70 to 93.70): BN009411.D (-505) (-)

Ion 63.00 (62.70 to 63.70): BN009411.D (-505) (-)

Ion 95.00 (94.70 to 95.70): BN009411.D (-505) (-)

6.94

150

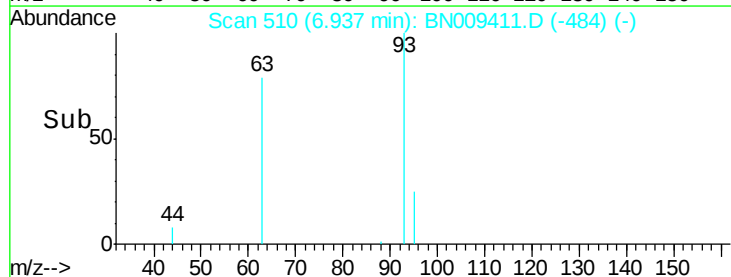
100

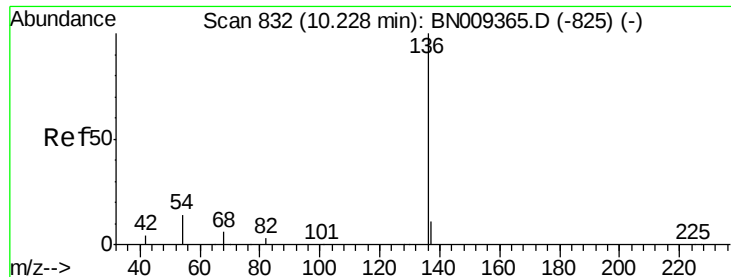
50

0

6.90 7.00 7.10

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.24 min Scan# 833

Delta R.T. 0.01 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 4115

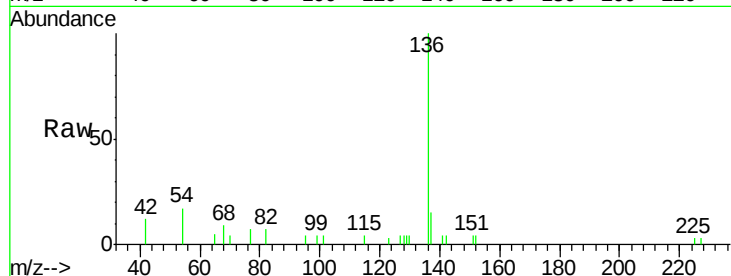
Ion Ratio Lower Upper

136 100

137 15.0 10.3 15.5

54 17.1 12.6 19.0

68 8.9 6.5 9.7

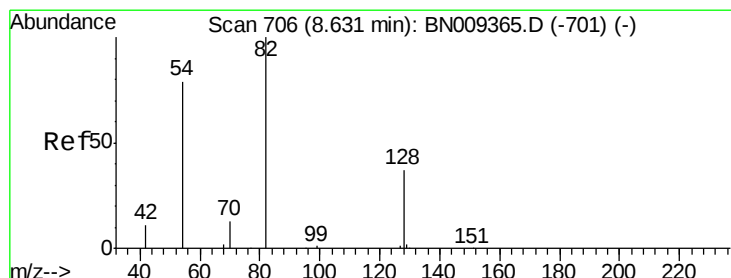
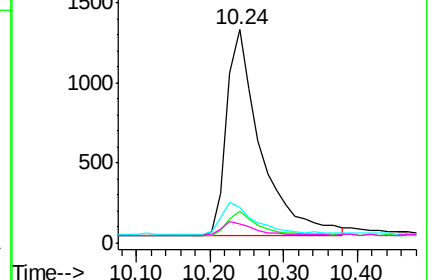
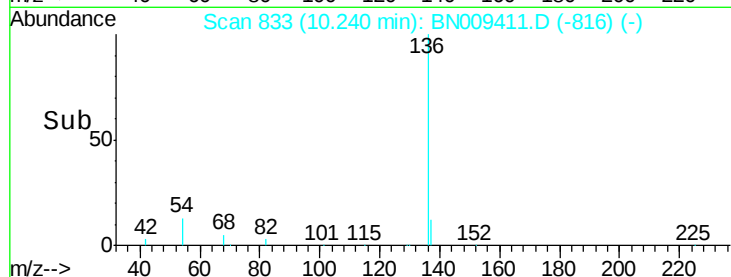


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.278 ng

RT: 8.66 min Scan# 708

Delta R.T. 0.02 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

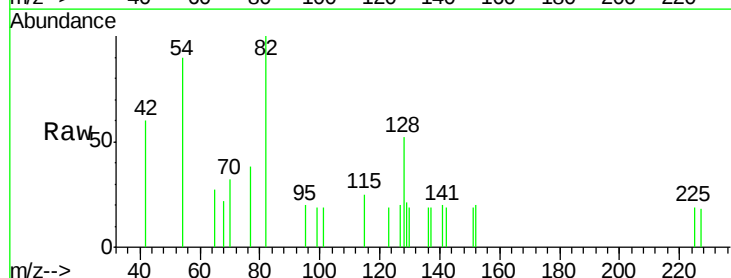
Tgt Ion: 82 Resp: 913

Ion Ratio Lower Upper

82 100

128 52.2 34.8 52.2#

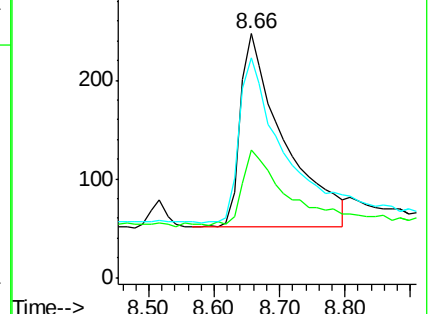
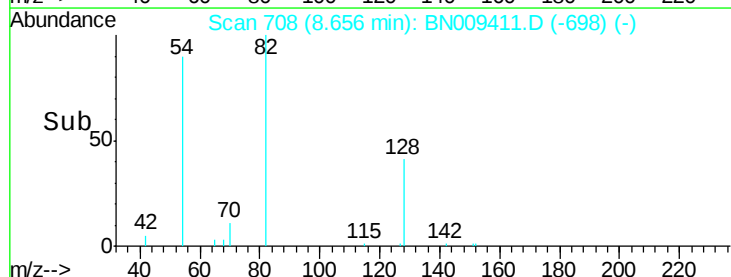
54 90.3 65.8 98.6

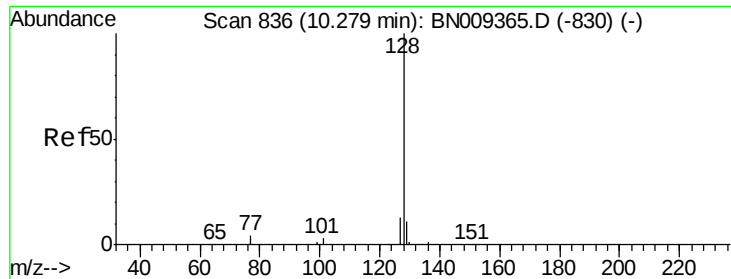


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

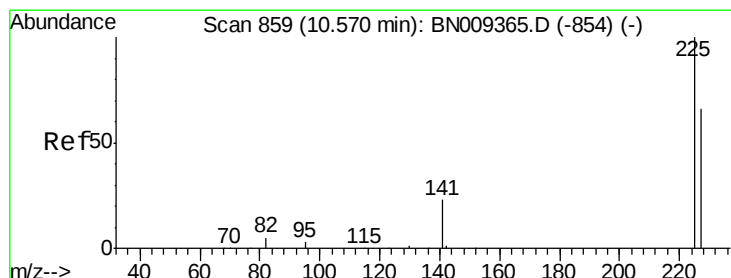
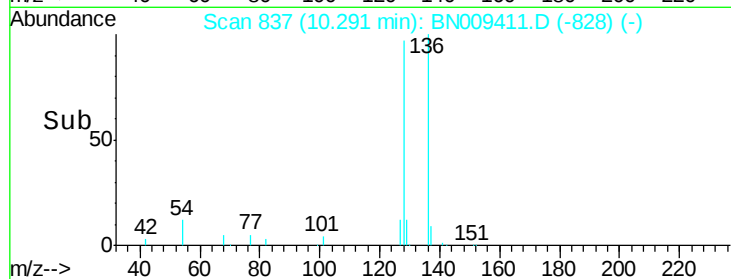
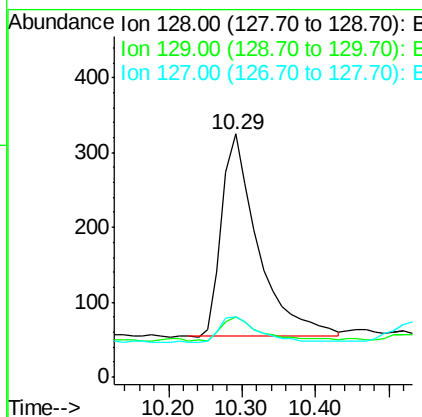
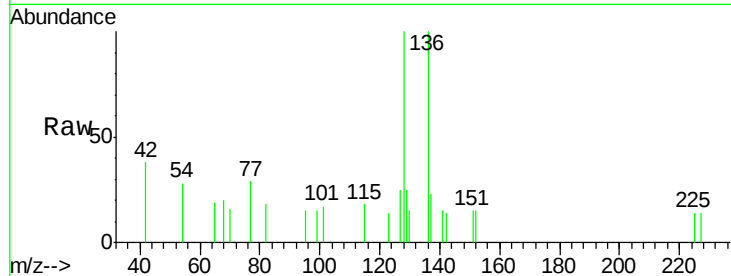




#9
Naphthalene
Concen: 0.083 ng
RT: 10.29 min Scan# 837
Delta R.T. 0.01 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

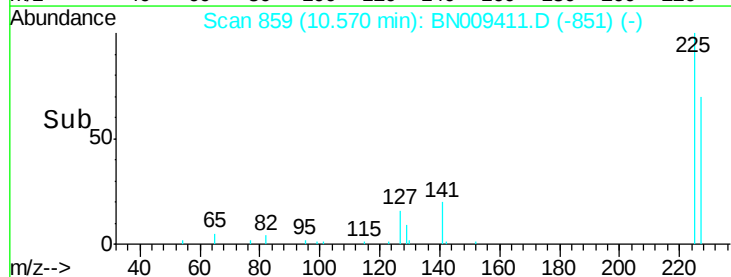
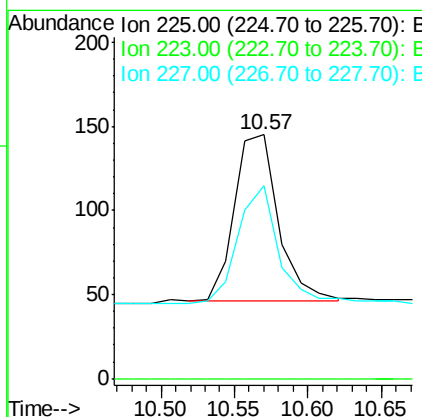
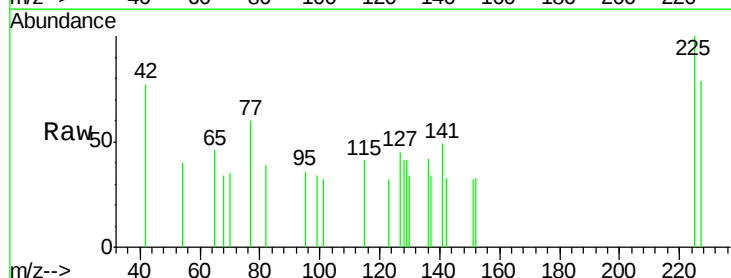
Instrument :
BNA_N
ClientSampleId :

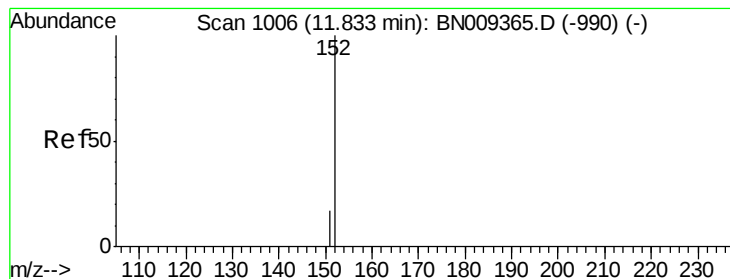
Tot Ion:128 Resp: 922
Ion Ratio Lower Upper
128 100
129 24.9 10.4 15.6#
127 24.9 11.4 17.2#



#10
Hexachlorobutadiene
Concen: 0.084 ng
RT: 10.57 min Scan# 859
Delta R.T. -0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:225 Resp: 206
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.6 52.6 78.8





#11

2-Methylnaphthalene-d10

Concen: 0.266 ng

RT: 11.85 min Scan# 1010

Delta R.T. 0.02 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

Instrument :

BNA_N

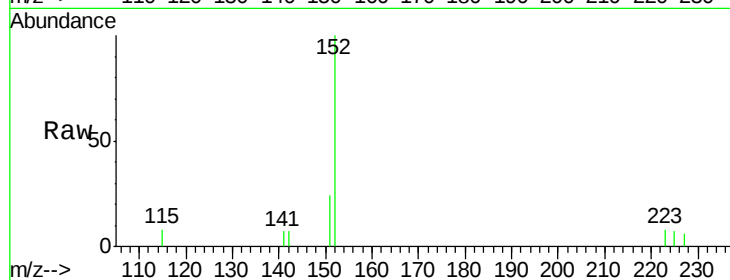
ClientSampleId :

Tot Ion:152 Resp: 2114

Ion Ratio Lower Upper

152 100

151 19.0 14.8 22.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

800

600

400

200

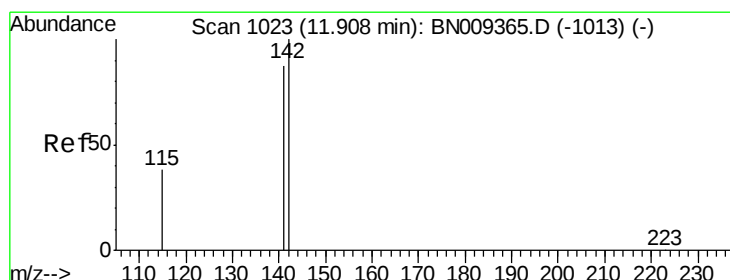
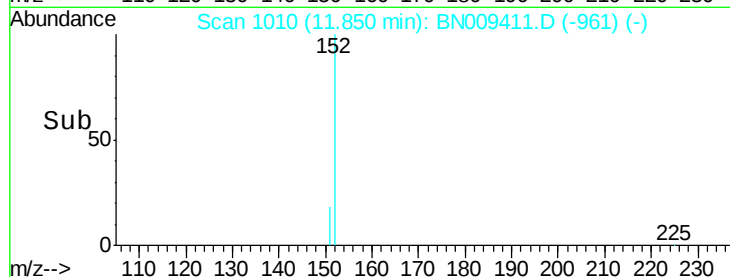
0

11.85

11.90

12.00

Time-->



#12

2-Methylnaphthalene

Concen: 0.078 ng

RT: 11.93 min Scan# 1027

Delta R.T. 0.02 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

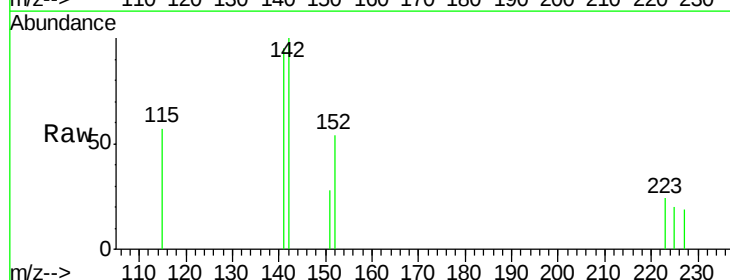
Tgt Ion:142 Resp: 605

Ion Ratio Lower Upper

142 100

141 94.9 69.8 104.6

115 57.0 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

300

200

100

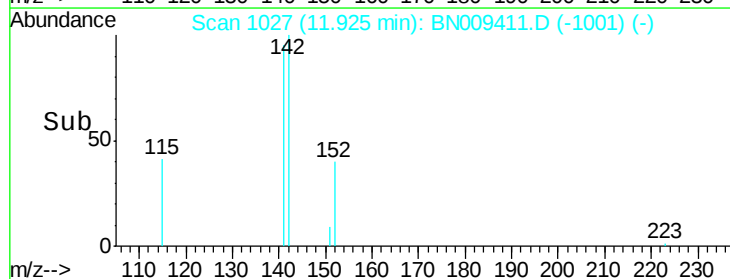
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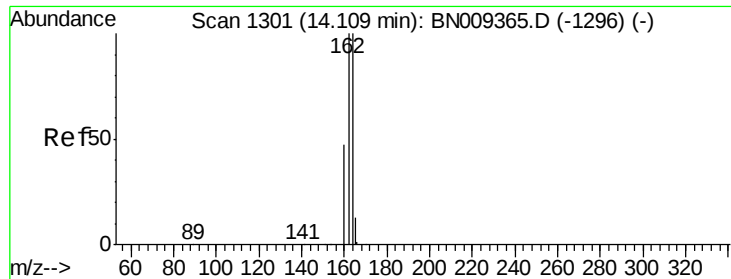
11.93

12.00

12.10

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.11 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

Instrument :

BNA_N

ClientSampleId :

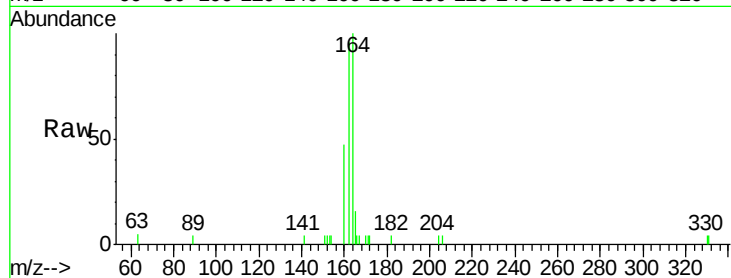
Tot Ion:164 Resp: 2651

Ion Ratio Lower Upper

164 100

162 96.4 79.8 119.6

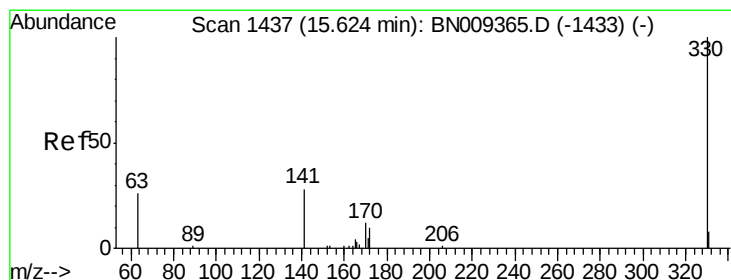
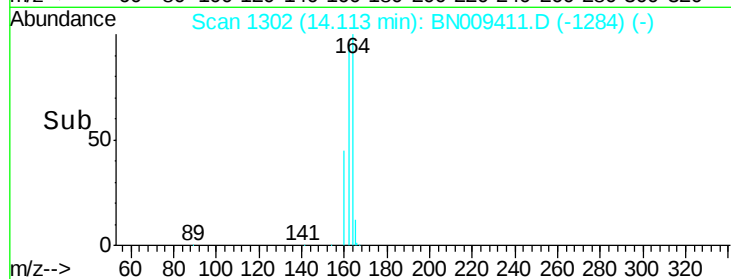
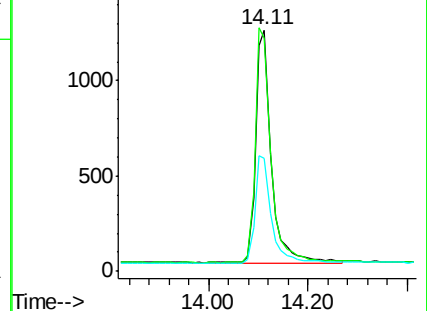
160 46.6 38.4 57.6



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: 0.260 ng

RT: 15.64 min Scan# 1439

Delta R.T. 0.02 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

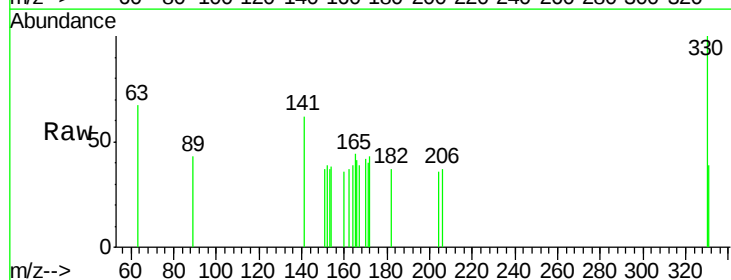
Tgt Ion:330 Resp: 261

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

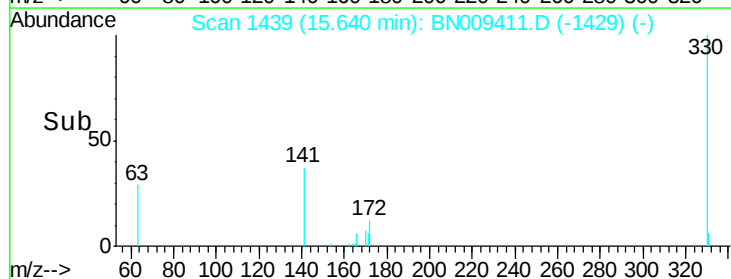
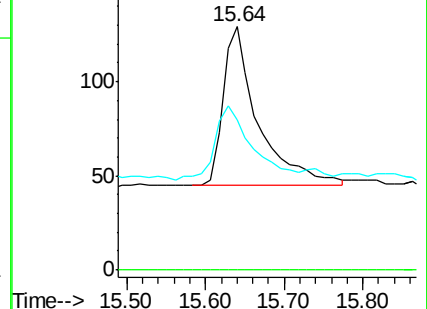
141 49.0 33.1 49.7

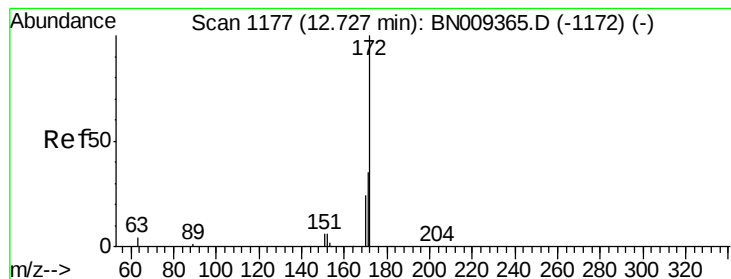


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.312 ng

RT: 12.74 min Scan# 1179

Delta R.T. 0.02 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

Instrument :

BNA_N

ClientSampleId :

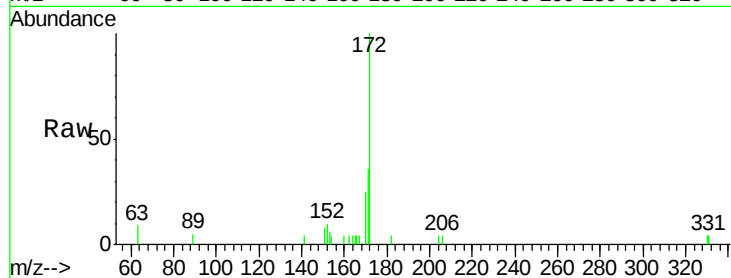
Tot Ion:172 Resp: 3091

Ion Ratio Lower Upper

172 100

171 36.4 29.5 44.3

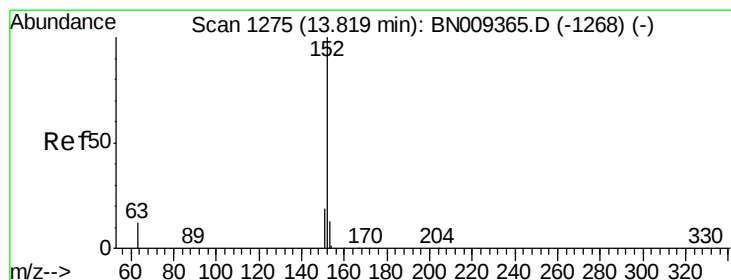
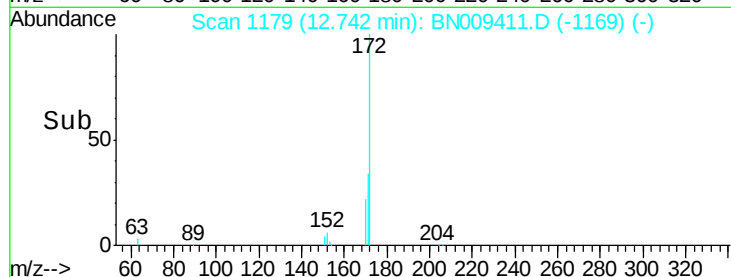
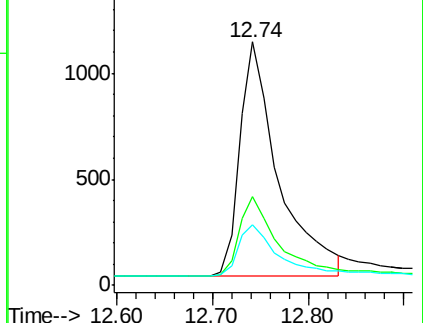
170 24.8 20.7 31.1



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: 0.073 ng

RT: 13.82 min Scan# 1276

Delta R.T. 0.00 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

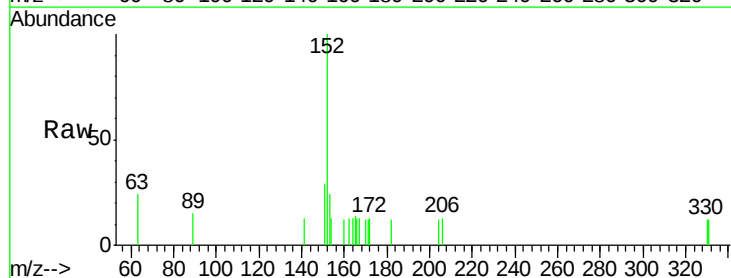
Tgt Ion:152 Resp: 838

Ion Ratio Lower Upper

152 100

151 20.4 15.4 23.2

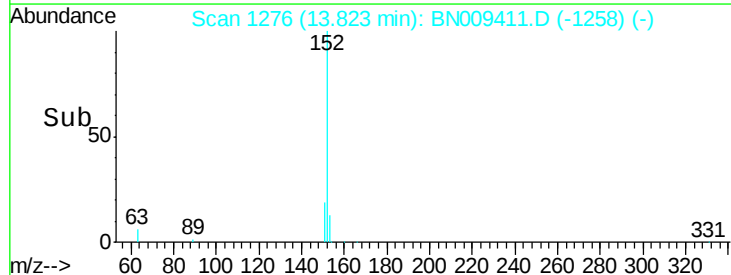
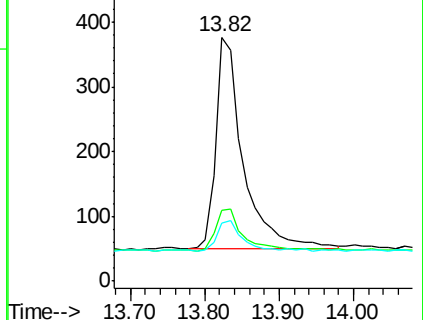
153 12.8 10.4 15.6

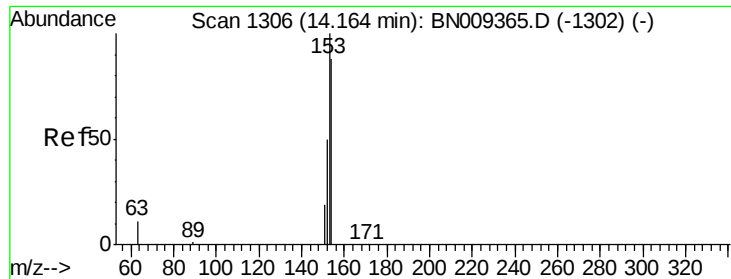


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

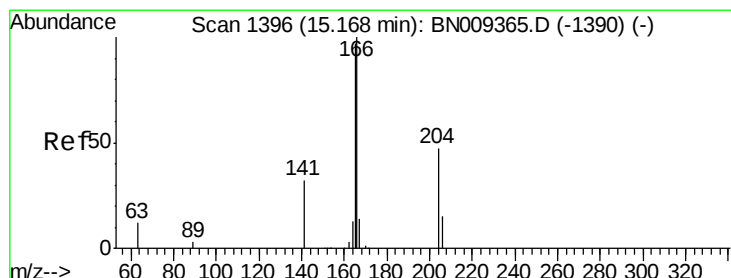
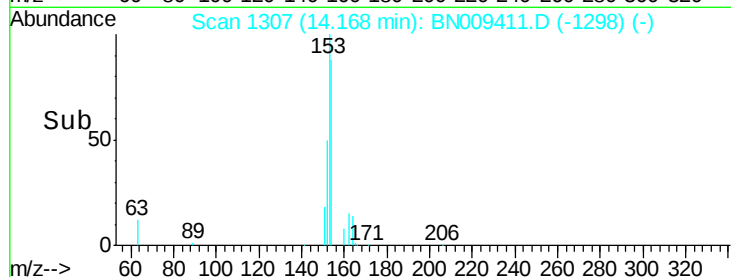
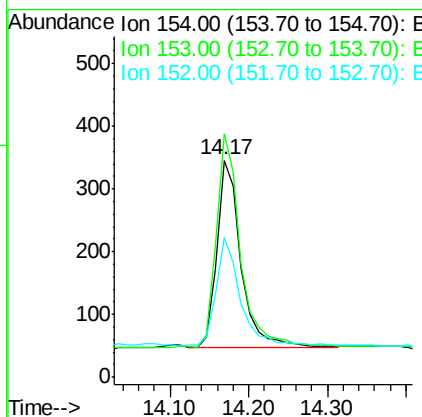
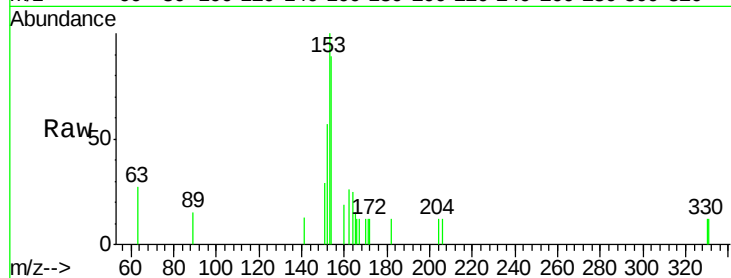




#17
Acenaphthene
Concen: 0.078 ng
RT: 14.17 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

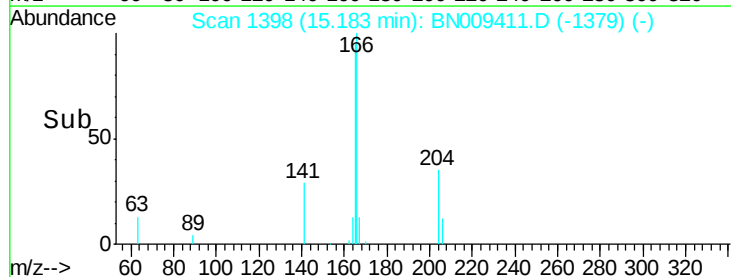
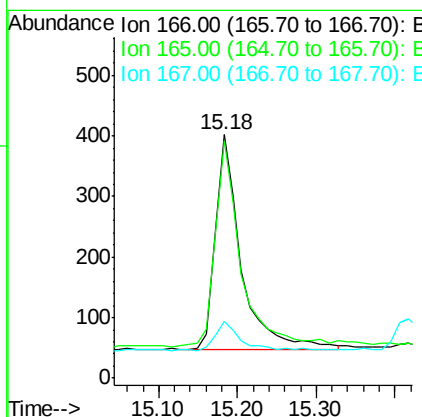
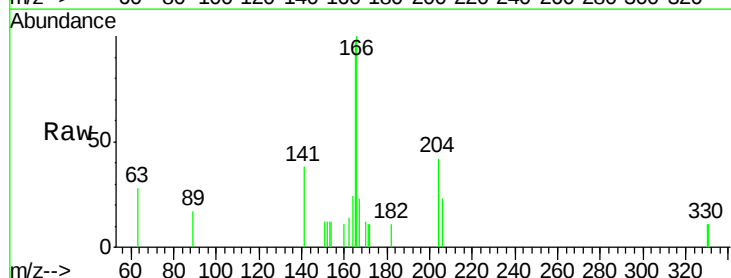
Instrument :
BNA_N
ClientSampleId :

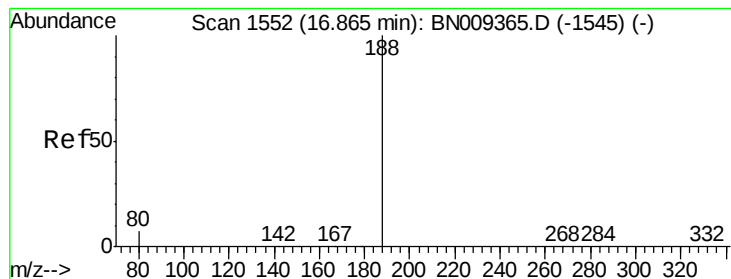
Tot Ion:154 Resp: 631
Ion Ratio Lower Upper
154 100
153 115.1 90.5 135.7
152 59.0 45.3 67.9



#18
Fluorene
Concen: 0.078 ng
RT: 15.18 min Scan# 1398
Delta R.T. 0.02 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:166 Resp: 816
Ion Ratio Lower Upper
166 100
165 94.9 78.2 117.2
167 13.5 11.0 16.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.87 min Scan# 1553

Delta R.T. 0.00 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

Instrument :

BNA_N

ClientSampleId :

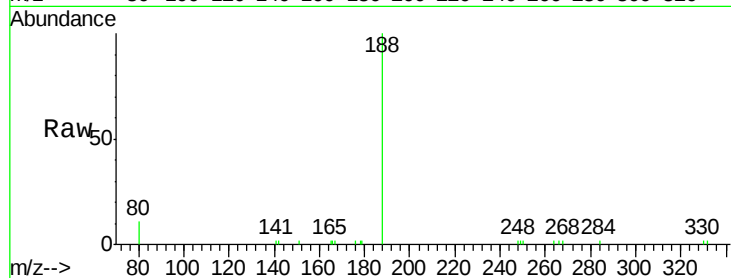
Tot Ion:188 Resp: 5730

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

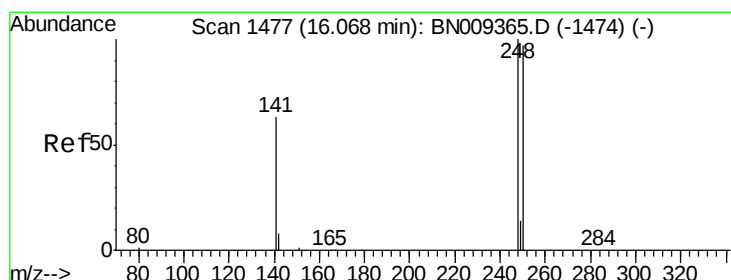
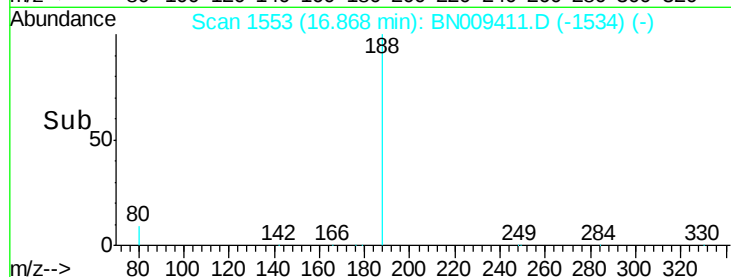
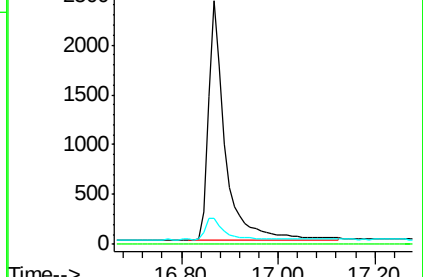
80 10.9 6.6 10.0#



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: 0.069 ng

RT: 16.08 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

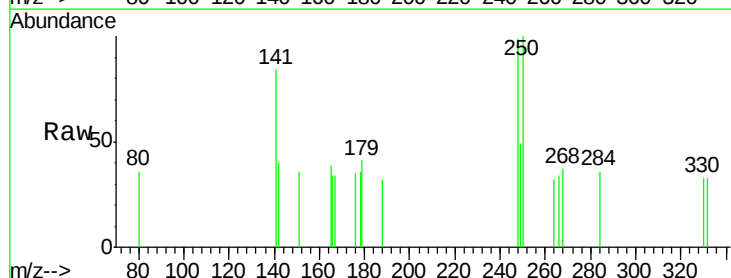
Tgt Ion:248 Resp: 239

Ion Ratio Lower Upper

248 100

250 100.7 77.8 116.8

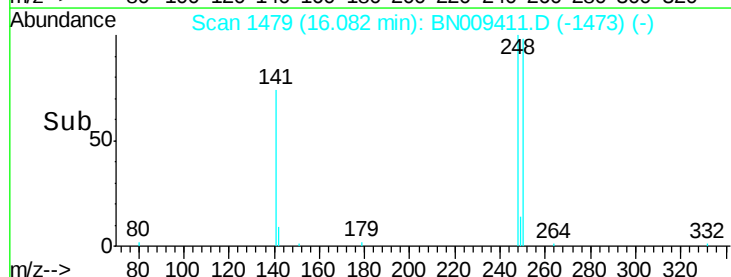
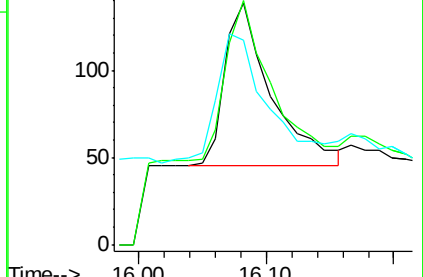
141 84.2 53.4 80.0#

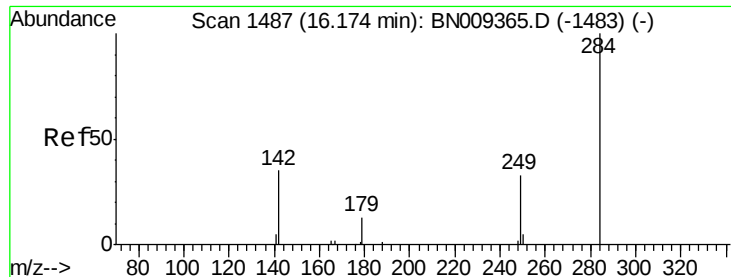


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.076 ng

RT: 16.18 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

Instrument :

BNA_N

ClientSampleId :

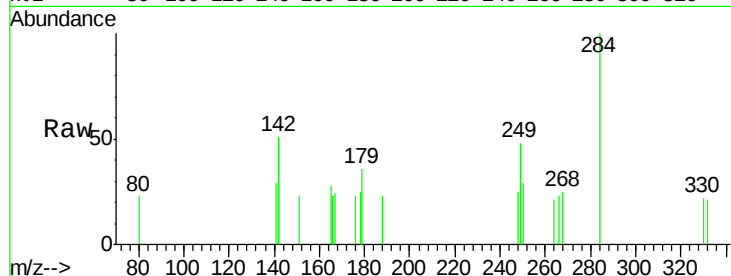
Tot Ion:284 Resp: 279

Ion Ratio Lower Upper

284 100

142 48.4 33.8 50.8

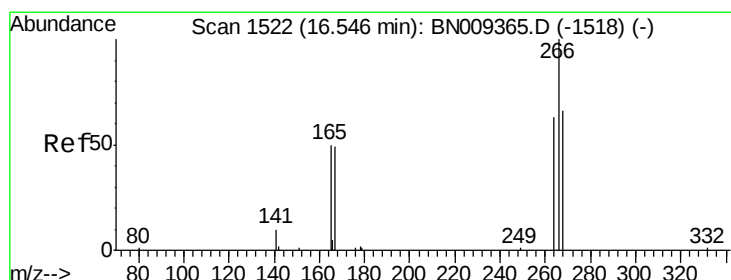
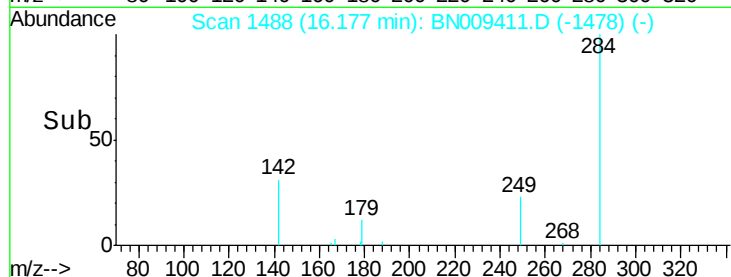
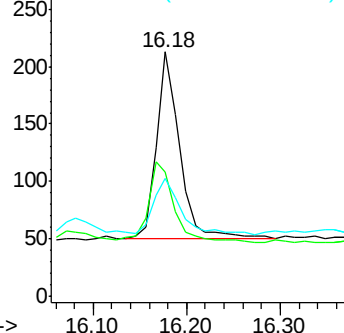
249 37.6 27.0 40.4



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: 0.151 ng

RT: 16.58 min Scan# 1526

Delta R.T. 0.04 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

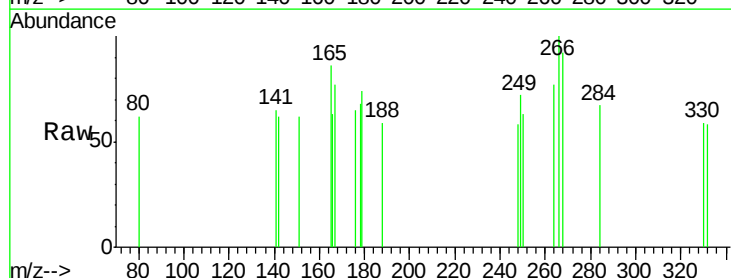
Tgt Ion:266 Resp: 156

Ion Ratio Lower Upper

266 100

264 76.9 57.8 86.6

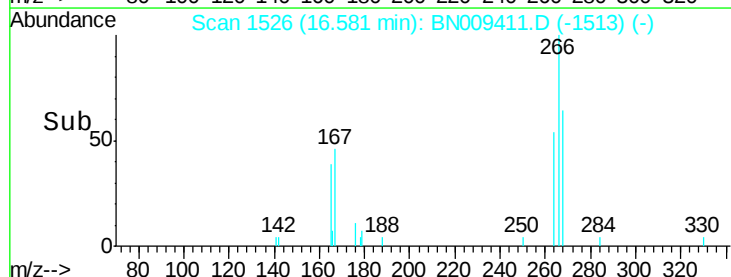
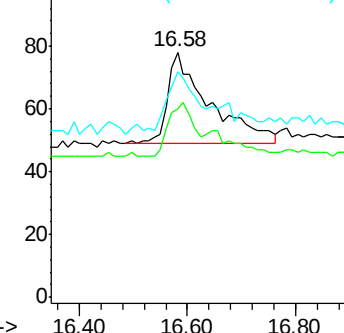
268 92.3 63.8 95.6



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: 0.077 ng

RT: 16.91 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

Instrument :

BNA_N

ClientSampleId :

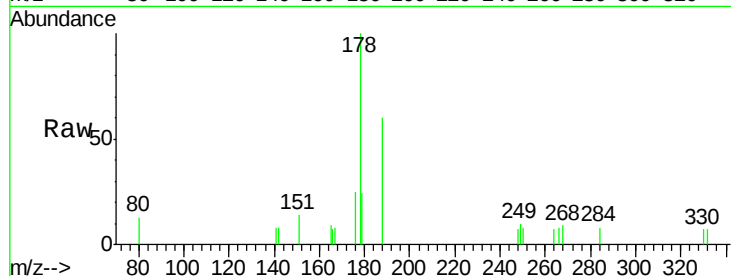
Tot Ion:178 Resp: 1325

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

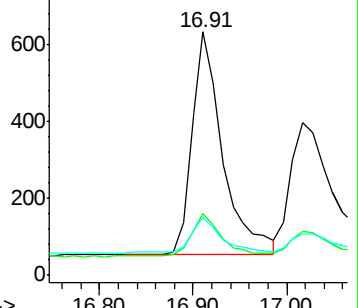
179 16.9 12.3 18.5



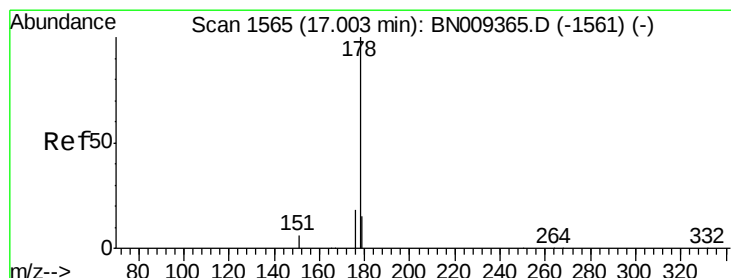
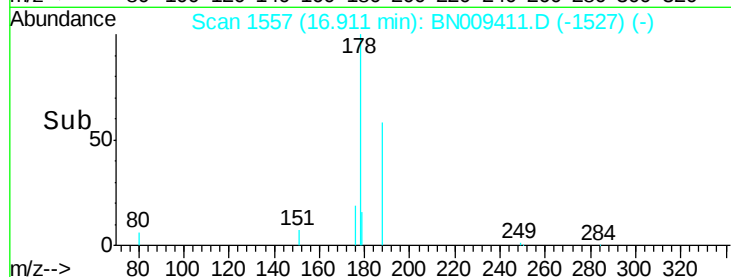
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.068 ng

RT: 17.02 min Scan# 1567

Delta R.T. 0.01 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

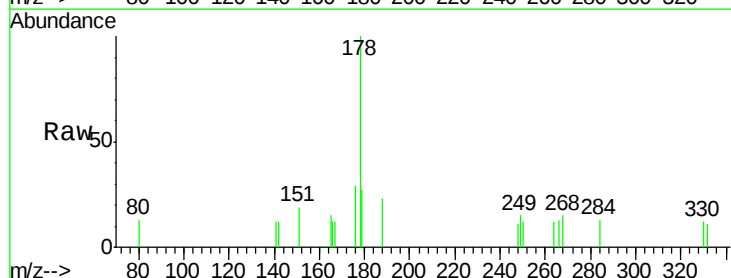
Tgt Ion:178 Resp: 980

Ion Ratio Lower Upper

178 100

176 16.1 14.6 21.8

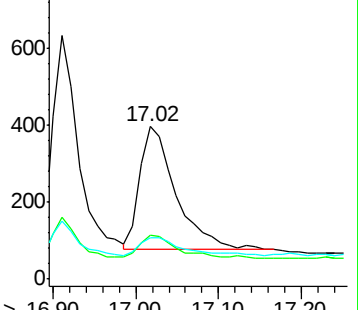
179 17.2 12.5 18.7



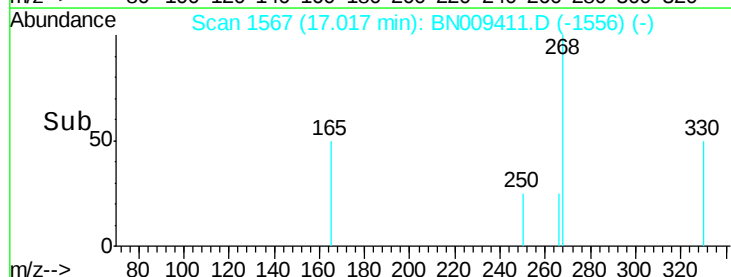
Abundance Ion 178.00 (177.70 to 178.70): E

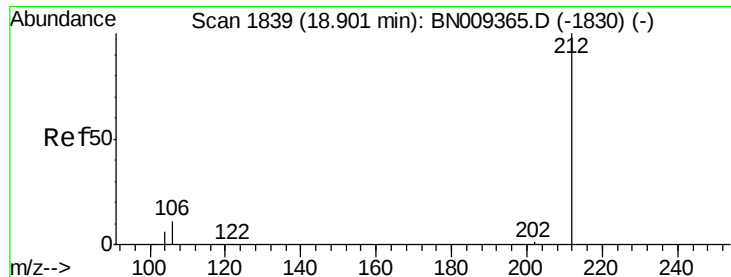
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.253 ng

RT: 18.90 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

Instrument :

BNA_N

ClientSampleId :

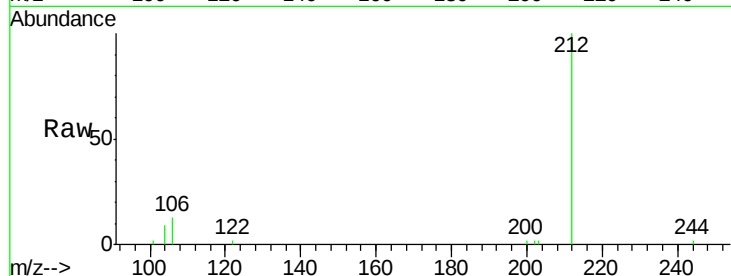
Tot Ion:212 Resp: 4972

Ion Ratio Lower Upper

212 100

106 11.6 9.2 13.8

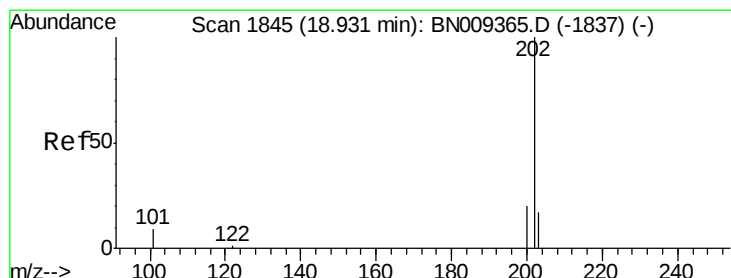
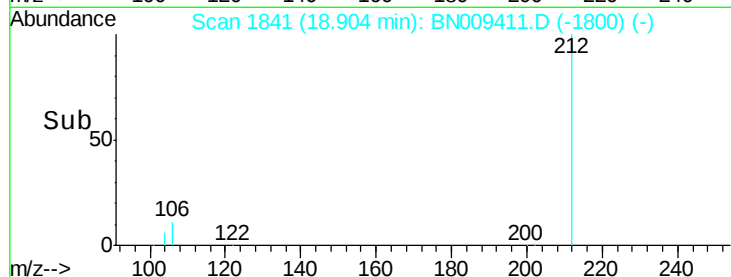
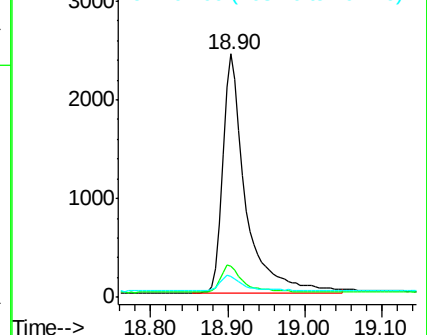
104 6.8 5.4 8.0



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: 0.079 ng

RT: 18.93 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

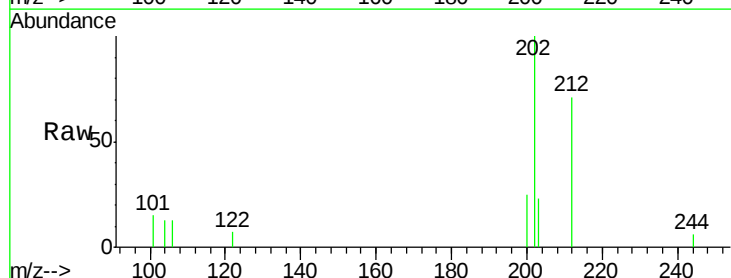
Tgt Ion:202 Resp: 1603

Ion Ratio Lower Upper

202 100

101 10.1 8.0 12.0

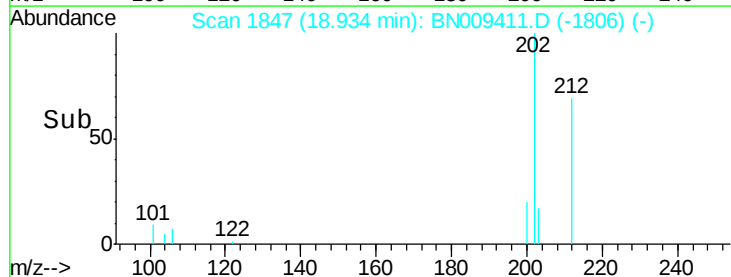
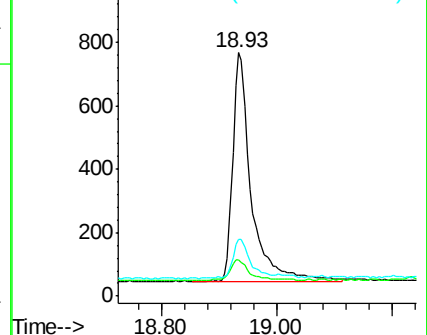
203 16.0 13.5 20.3

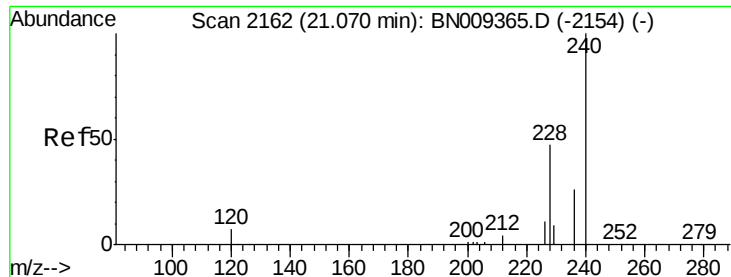


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2163

Delta R.T. -0.00 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

Instrument :

BNA_N

ClientSampleId :

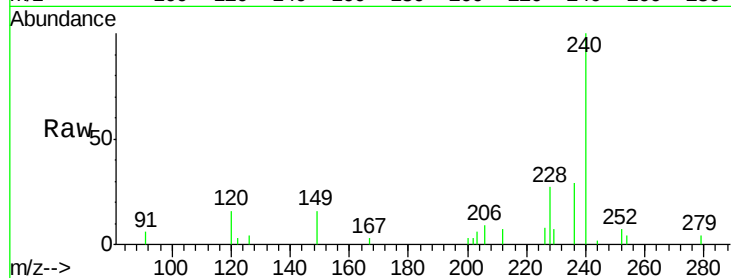
Tot Ion:240 Resp: 4835

Ion Ratio Lower Upper

240 100

120 15.5 8.1 12.1#

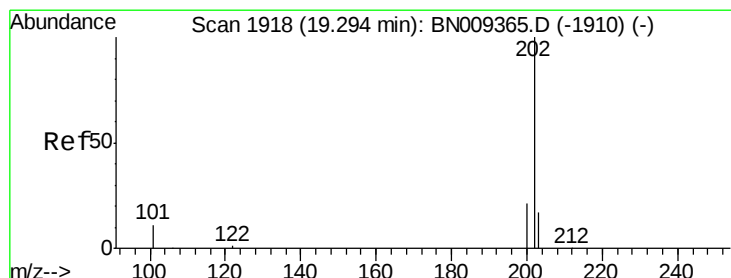
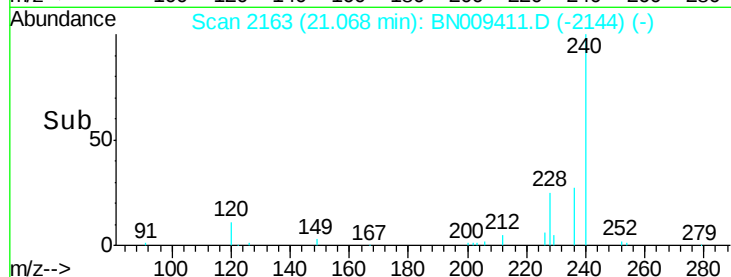
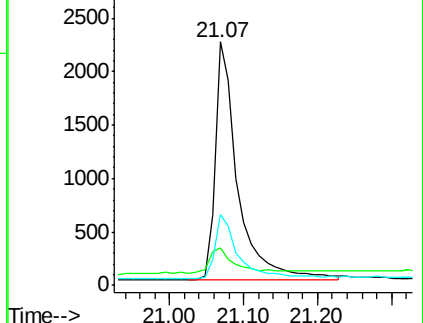
236 29.1 22.2 33.4



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: 0.086 ng

RT: 19.30 min Scan# 1921

Delta R.T. 0.01 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

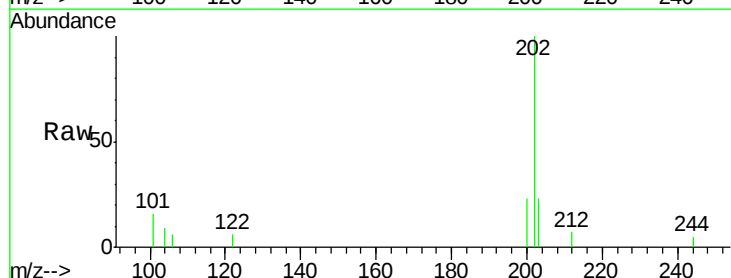
Tgt Ion:202 Resp: 1582

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

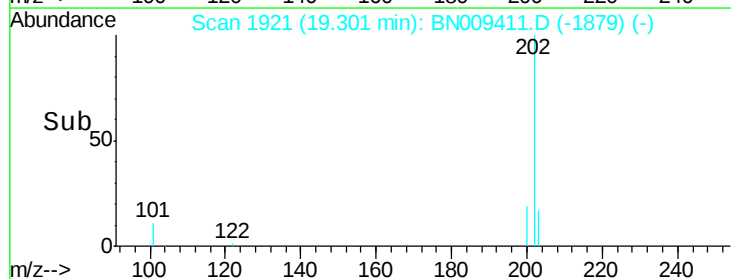
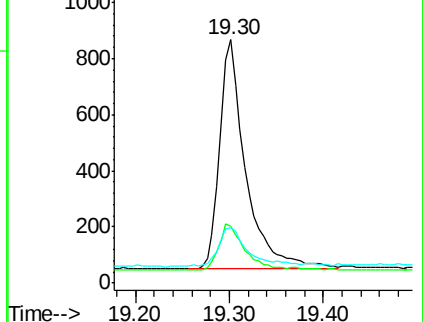
203 18.3 14.1 21.1

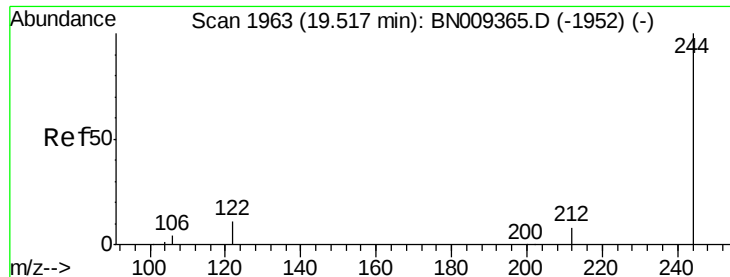


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.350 ng

RT: 19.51 min Scan# 1964

Delta R.T. -0.00 min

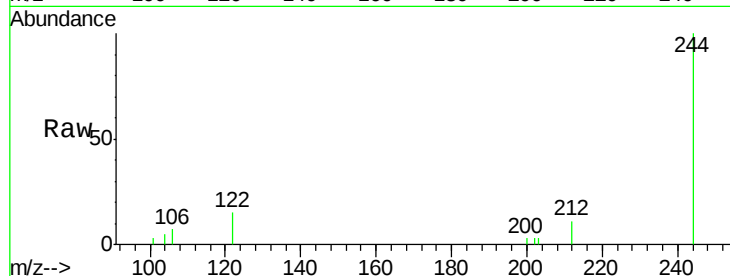
Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

Instrument :

BNA_N

ClientSampled :



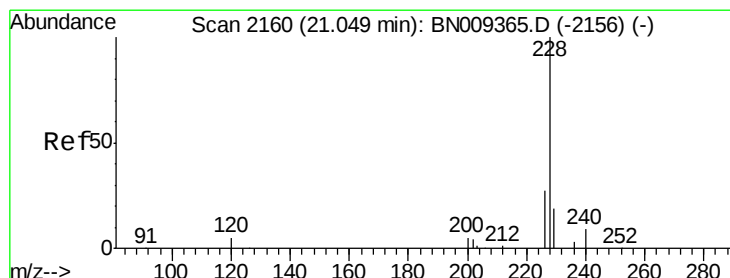
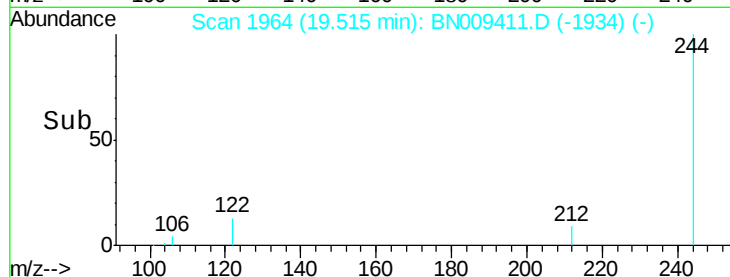
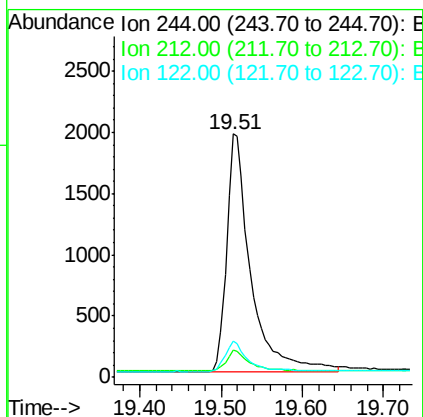
Tot Ion:244 Resp: 4005

Ion Ratio Lower Upper

244 100

212 11.2 7.5 11.3

122 14.6 9.8 14.6



#30

Benzo(a)anthracene

Concen: 0.072 ng

RT: 21.07 min Scan# 2163

Delta R.T. 0.02 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

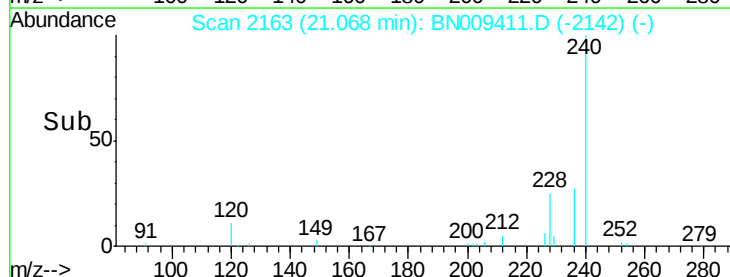
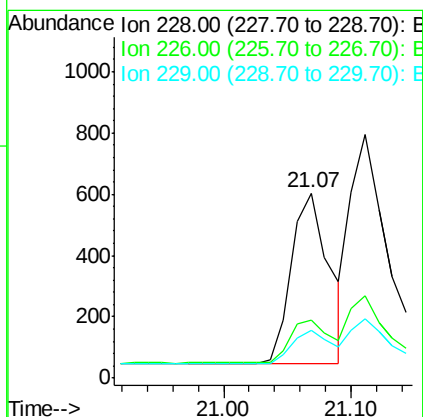
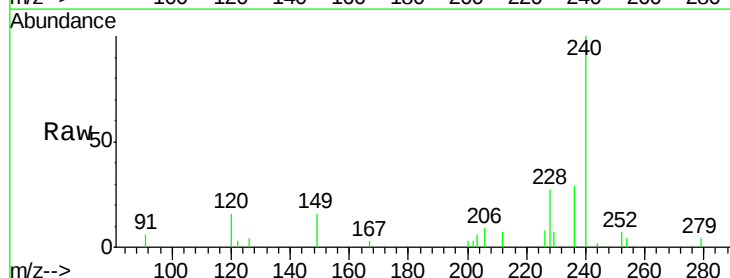
Tgt Ion:228 Resp: 1148

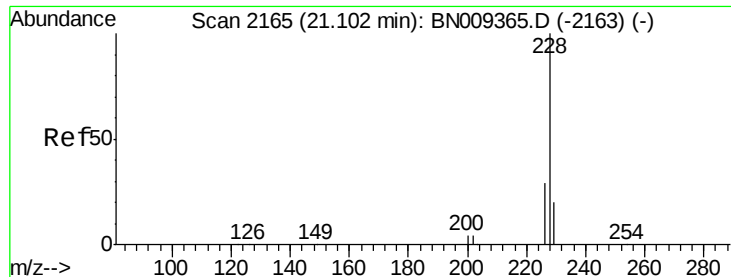
Ion Ratio Lower Upper

228 100

226 31.6 22.5 33.7

229 25.8 16.1 24.1#





#31

Chrysene

Concen: 0.083 ng

RT: 21.11 min Scan# 2167

Delta R.T. 0.01 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

Instrument :

BNA_N

ClientSampled :

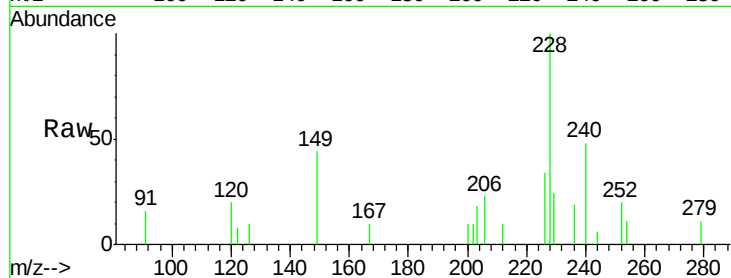
Tot Ion:228 Resp: 1514

Ion Ratio Lower Upper

228 100

226 34.0 23.8 35.8

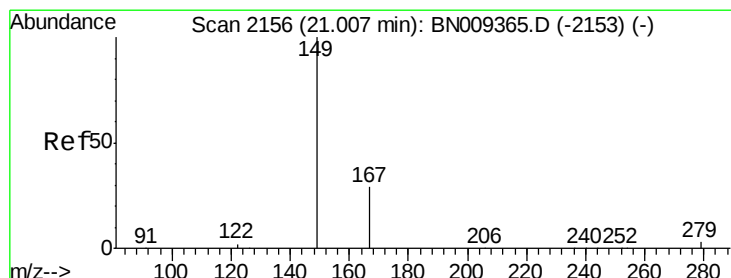
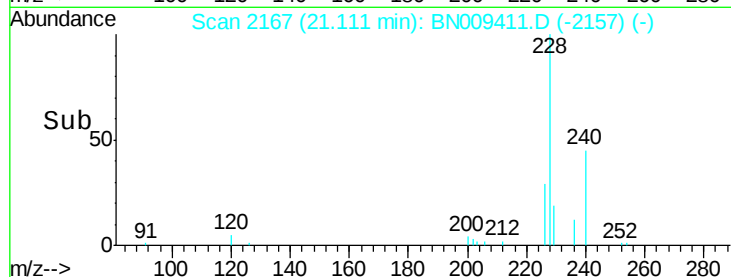
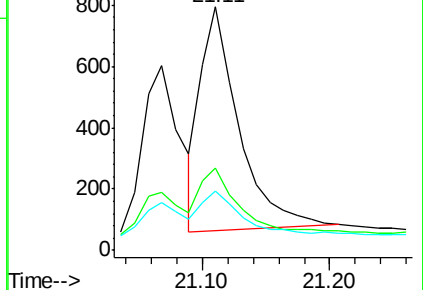
229 24.2 16.6 24.8



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: 0.079 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

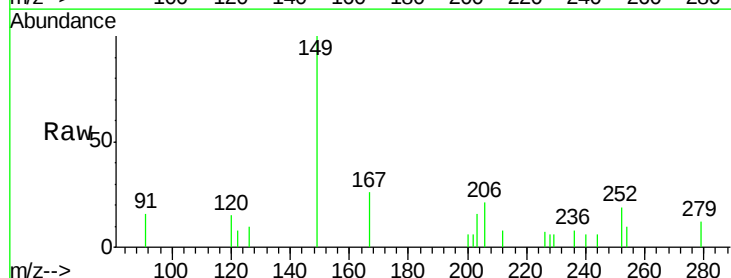
Tgt Ion:149 Resp: 556

Ion Ratio Lower Upper

149 100

167 29.5 22.9 34.3

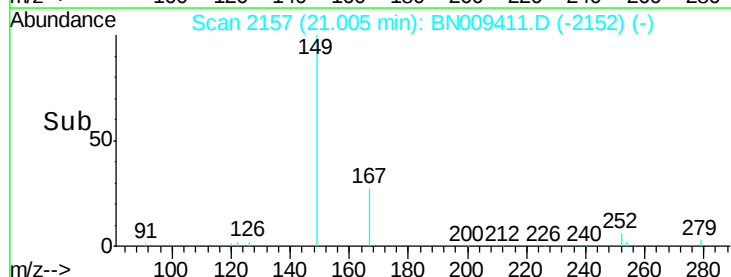
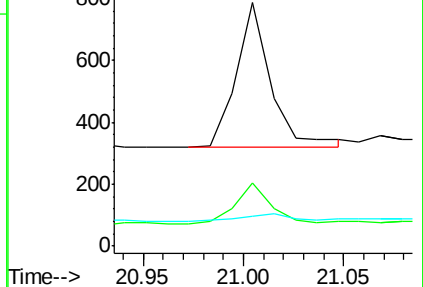
279 6.5 3.4 5.0#

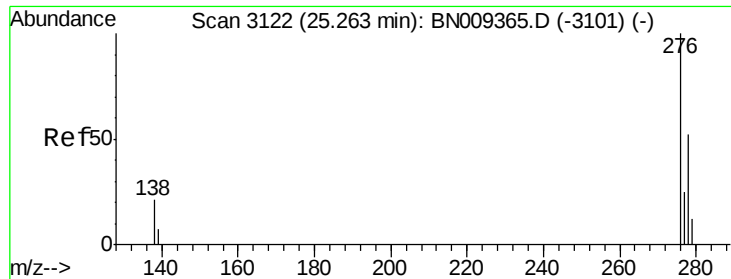


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

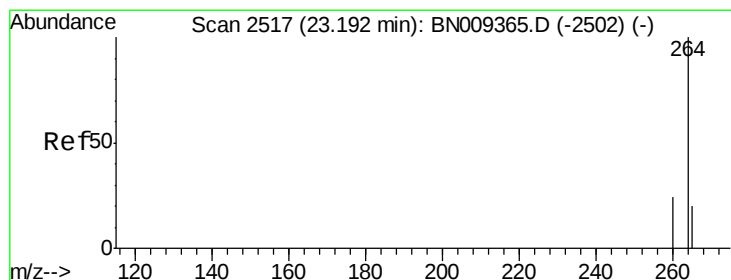
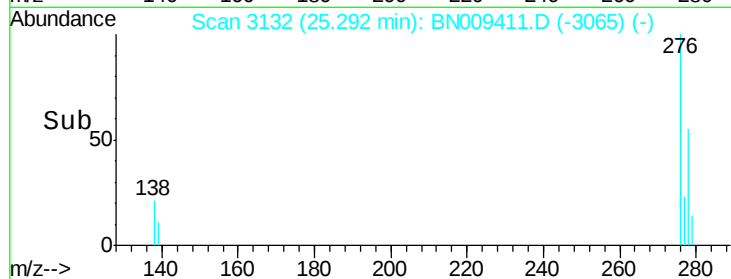
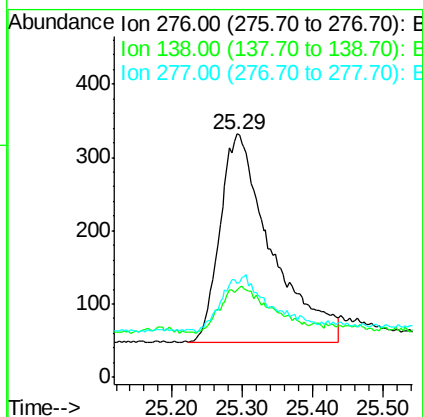
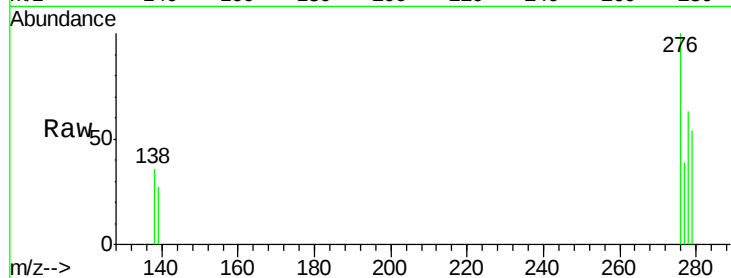




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.076 ng
RT: 25.29 min Scan# 3132
Delta R.T. 0.03 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

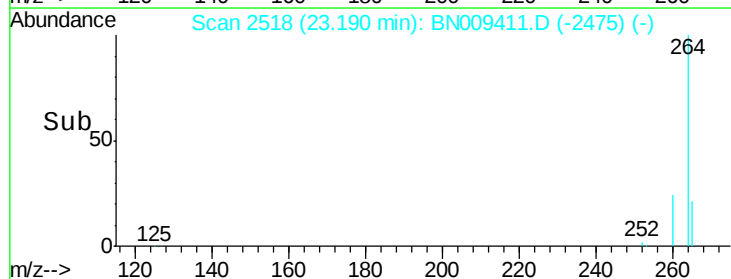
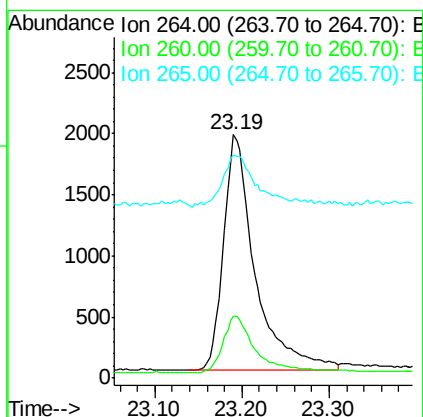
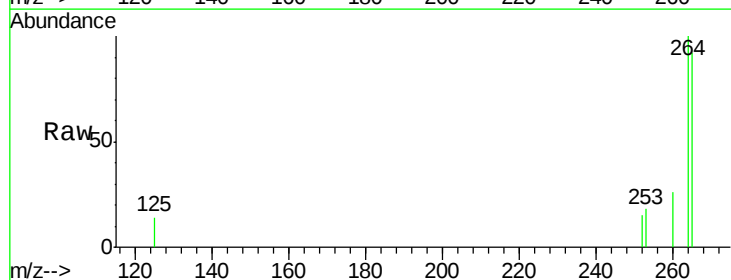
Instrument :
BNA_N
ClientSampleId :

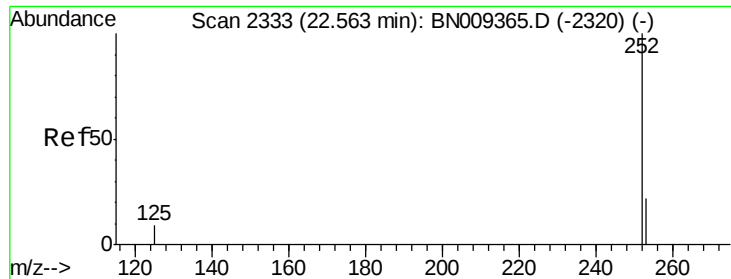
Tot Ion:276 Resp: 1435
Ion Ratio Lower Upper
276 100
138 6.8 15.9 23.9#
277 8.9 19.8 29.6#



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:264 Resp: 4861
Ion Ratio Lower Upper
264 100
260 25.5 20.1 30.1
265 91.7 68.2 102.4

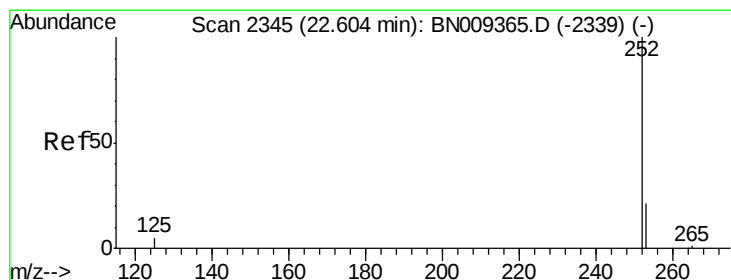
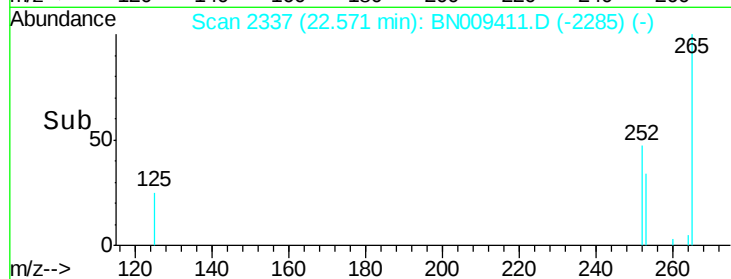
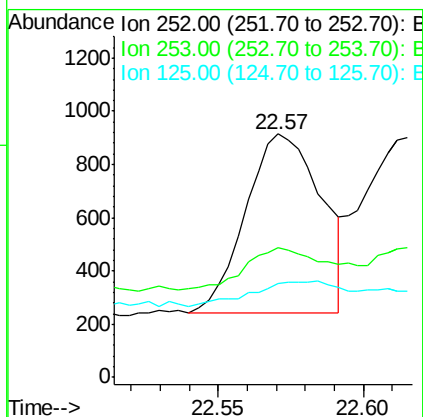
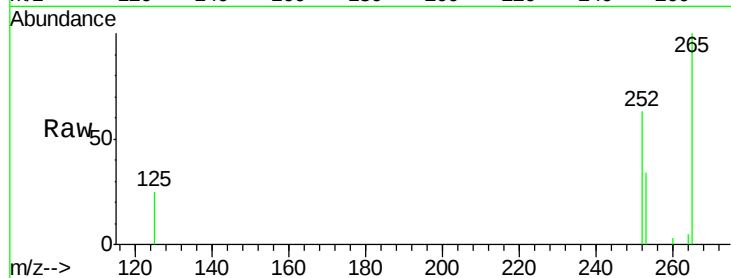




#35
Benzo(b)fluoranthene
Concen: 0.068 ng
RT: 22.57 min Scan# 2337
Delta R.T. 0.01 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

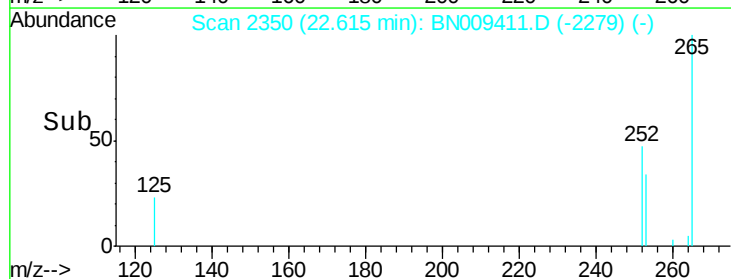
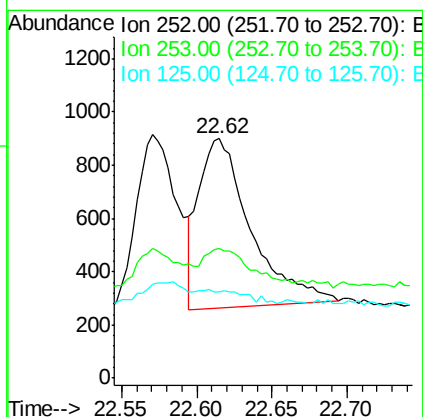
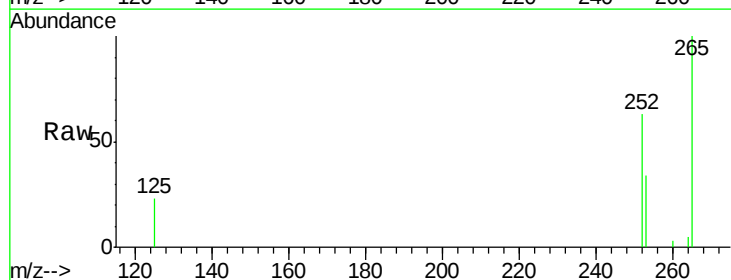
Instrument :
BNA_N
ClientSampleId :

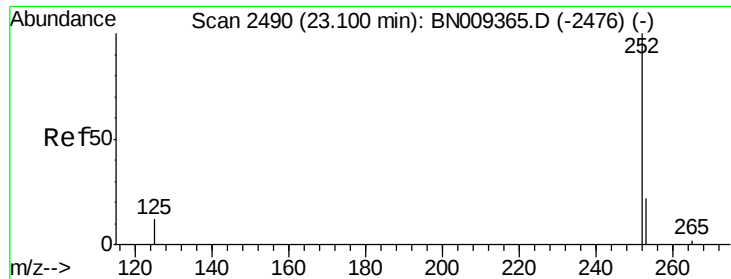
Tot Ion:252 Resp: 1223
Ion Ratio Lower Upper
252 100
253 53.1 22.4 33.6#
125 38.8 11.6 17.4#



#36
Benzo(k)fluoranthene
Concen: 0.077 ng
RT: 22.62 min Scan# 2350
Delta R.T. 0.01 min
Lab File: BN009411.D
Acq: 21 Jan 2020 12:52

Tgt Ion:252 Resp: 1515
Ion Ratio Lower Upper
252 100
253 54.0 21.9 32.9#
125 36.2 12.0 18.0#





#37

Benzo(a)pyrene

Concen: 0.087 ng

RT: 23.11 min Scan# 2496

Delta R.T. 0.01 min

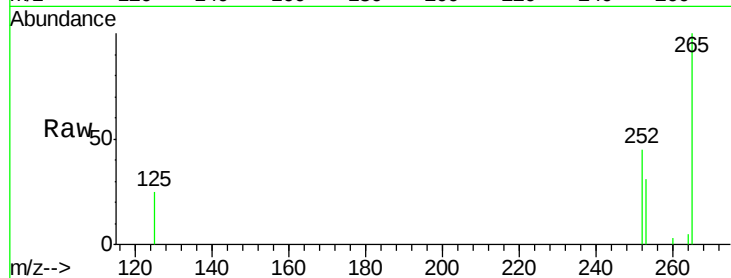
Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

Instrument :

BNA_N

ClientSampleId :



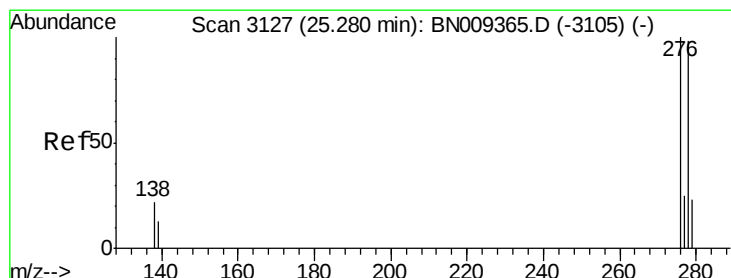
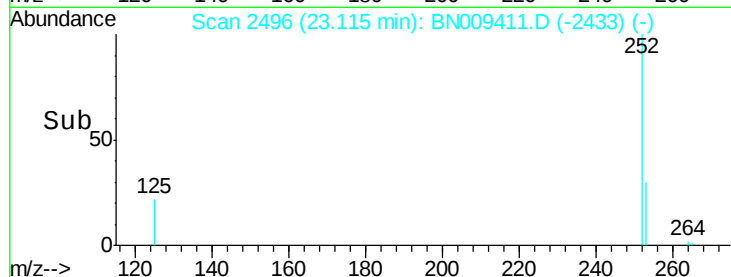
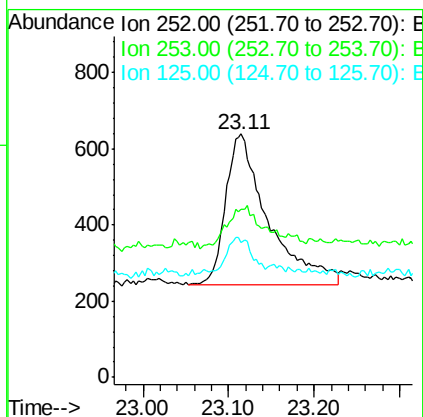
Tot Ion:252 Resp: 1370

Ion Ratio Lower Upper

252 100

253 68.9 25.4 38.0#

125 55.4 16.2 24.2#



#38

Dibenzo(a,h)anthracene

Concen: 0.066 ng

RT: 25.31 min Scan# 3136

Delta R.T. 0.03 min

Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

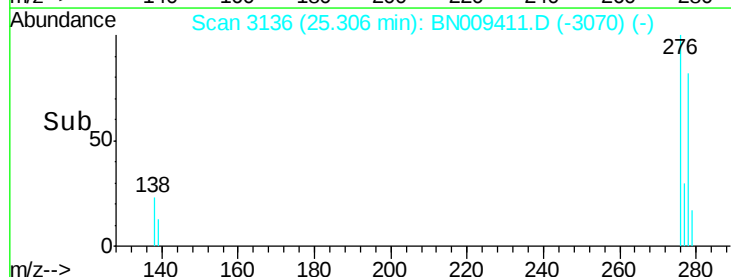
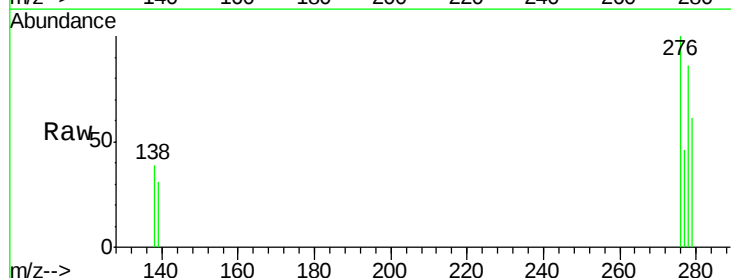
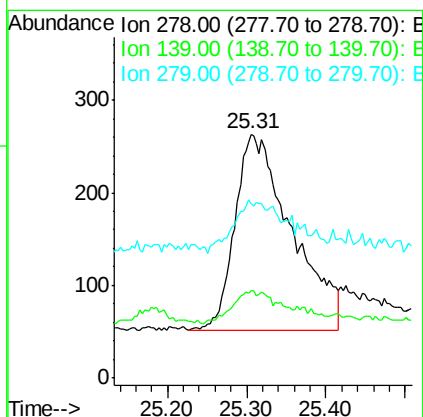
Tgt Ion:278 Resp: 1047

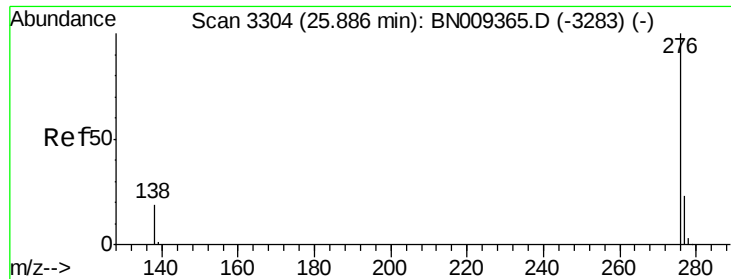
Ion Ratio Lower Upper

278 100

139 36.1 14.5 21.7#

279 71.5 24.2 36.4#





#39

Benzo(a,h,i)perylene

Concen: 0.083 ng

RT: 25.91 min Scan# 3312

Delta R.T. 0.02 min

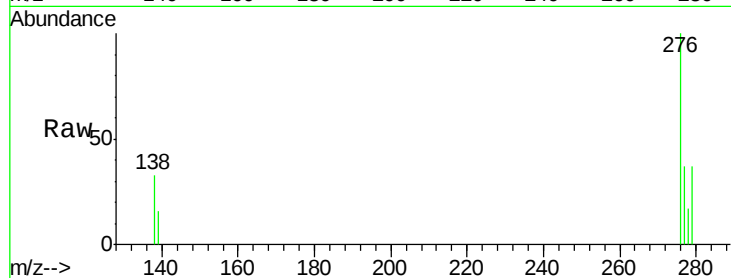
Lab File: BN009411.D

Acq: 21 Jan 2020 12:52

Instrument :

BNA_N

ClientSampleId :



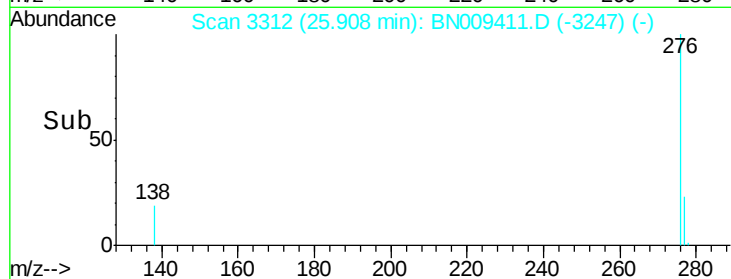
Tot Ion: 276 Resp: 1449

Ion Ratio Lower Upper

276 100

277 37.3 20.6 30.8#

138 32.6 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

