

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012420\
 Data File : BN009428.D
 Acq On : 23 Jan 2020 17:52
 Operator : CG/JU
 Sample : PB126299BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jan 24 12:16:47 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	1328	0.40	ng	0.00
7) Naphthalene-d8	10.22	136	4942	0.40	ng	-0.01
13) Acenaphthene-d10	14.10	164	3319	0.40	ng	0.00
19) Phenanthrene-d10	16.85	188	6902	0.40	ng	-0.02
27) Chrysene-d12	21.06	240	5969	0.40	ng	-0.01
34) Perylene-d12	23.18	264	6060	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.12	112	1246	0.41	ng	0.00
5) Phenol-d6	6.67	99	1493	0.42	ng	0.00
8) Nitrobenzene-d5	8.62	82	1600	0.41	ng	-0.01
11) 2-Methylnaphthalene-d10	11.82	152	3160	0.33	ng	-0.01
14) 2,4,6-Tribromophenol	15.61	330	484	0.39	ng	-0.02
15) 2-Fluorobiphenyl	12.72	172	4960	0.40	ng	0.00
25) Fluoranthene-d10	18.89	212	7326	0.31	ng	-0.01
29) Terphenyl-d14	19.51	244	5968	0.42	ng	-0.01

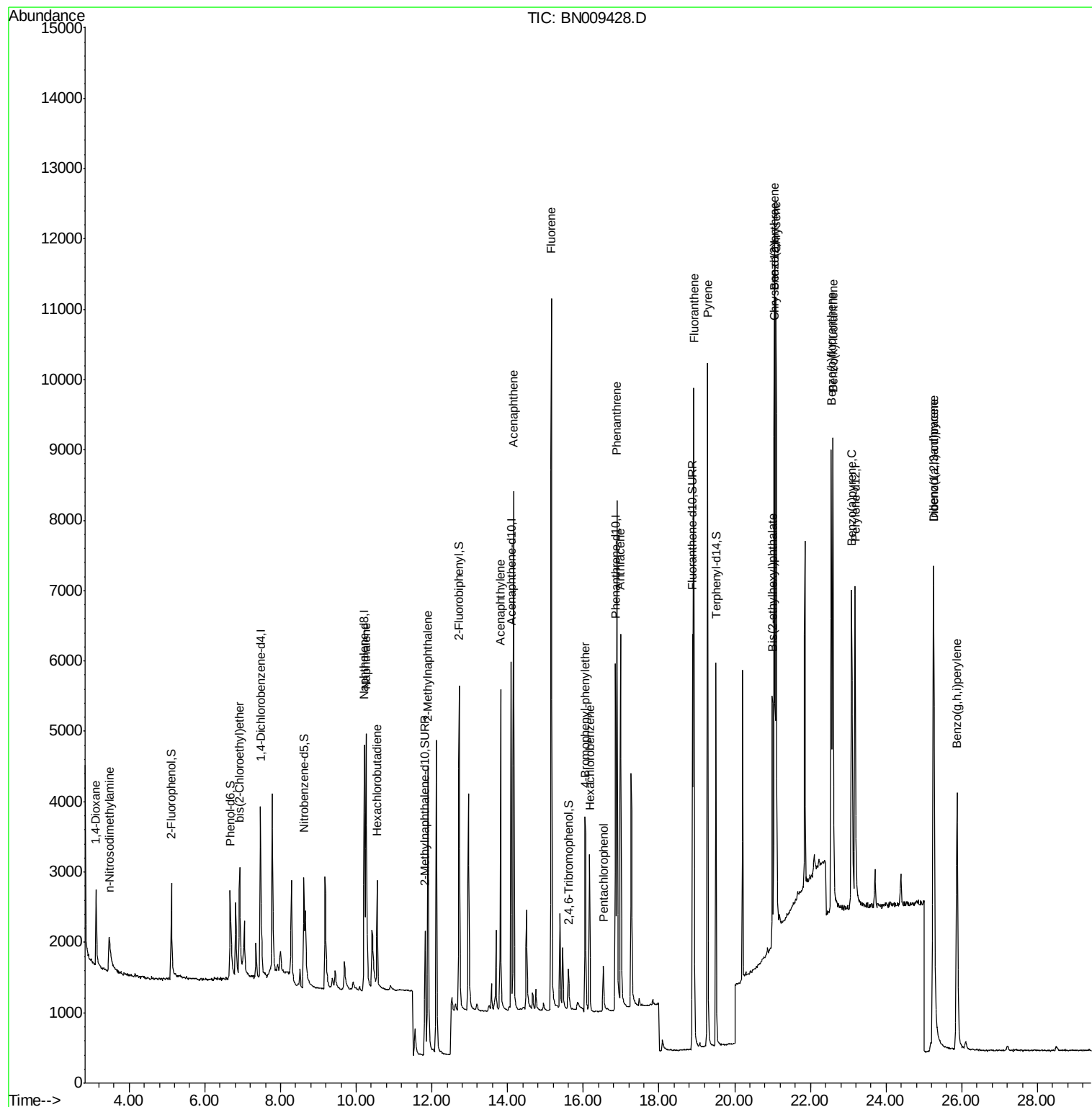
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.13	88	548	0.396	ng	95
3) n-Nitrosodimethylamine	3.47	42	826	0.386	ng	# 94
6) bis(2-Chloroethyl)ether	6.92	93	1398	0.384	ng	98
9) Naphthalene	10.27	128	5244	0.392	ng	99
10) Hexachlorobutadiene	10.56	225	1170	0.399	ng	# 96
12) 2-Methylnaphthalene	11.89	142	3728	0.400	ng	99
16) Acenaphthylene	13.81	152	5346	0.373	ng	100
17) Acenaphthene	14.16	154	3723	0.370	ng	100
18) Fluorene	15.16	166	4873	0.371	ng	99
20) 4-Bromophenyl-phenylether	16.06	248	1596	0.384	ng	92
21) Hexachlorobenzene	16.17	284	1726	0.390	ng	99
22) Pentachlorophenol	16.53	266	474	0.450	ng	94
23) Phenanthrene	16.89	178	7902	0.381	ng	99
24) Anthracene	16.99	178	6697	0.385	ng	99
26) Fluoranthene	18.92	202	9102	0.374	ng	100
28) Pyrene	19.28	202	9275	0.410	ng	100
30) Benzo(a)anthracene	21.05	228	7748	0.395	ng	97
31) Chrysene	21.09	228	8823	0.393	ng	98
32) Bis(2-ethylhexyl)phthalate	20.99	149	3721	0.429	ng	99
33) Indeno(1,2,3-cd)pyrene	25.25	276	9111	0.390	ng	99
35) Benzo(b)fluoranthene	22.55	252	8176	0.367	ng	99
36) Benzo(k)fluoranthene	22.59	252	9075	0.369	ng	99
37) Benzo(a)pyrene	23.09	252	7465	0.380	ng	97
38) Dibenzo(a,h)anthracene	25.26	278	7332	0.371	ng	97
39) Benzo(g,h,i)perylene	25.87	276	7955	0.366	ng	99

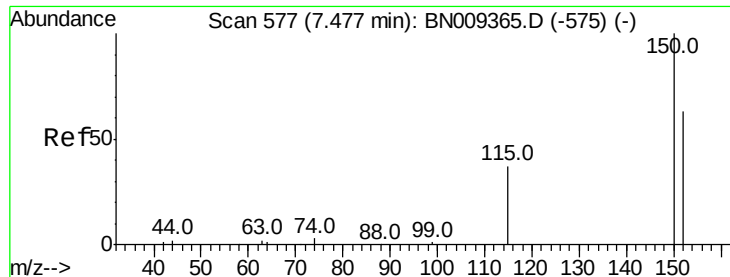
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 24 12:16:47 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



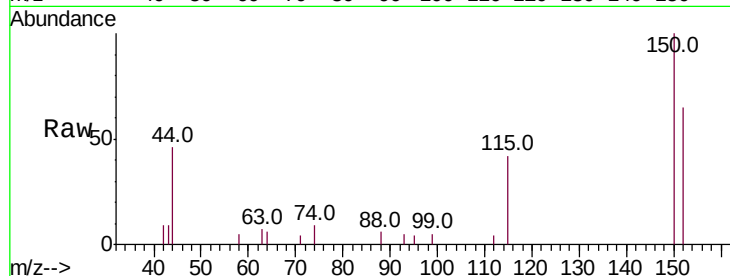


#1

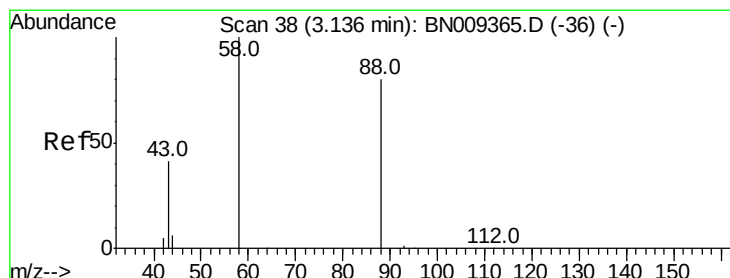
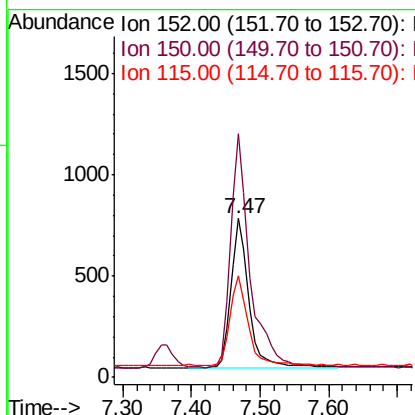
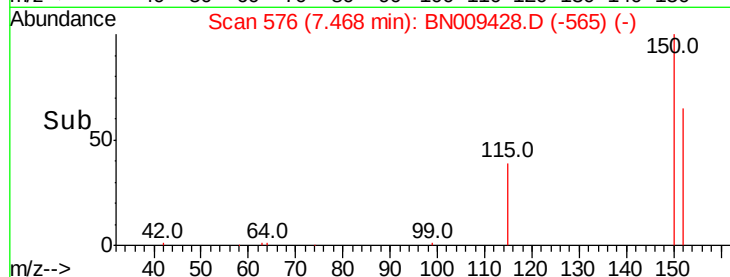
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BN009428.D
Acq: 23 Jan 2020 17:52

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 1328
Ion Ratio Lower Upper
152 100
150 153.5 125.7 188.5
115 64.2 53.3 79.9



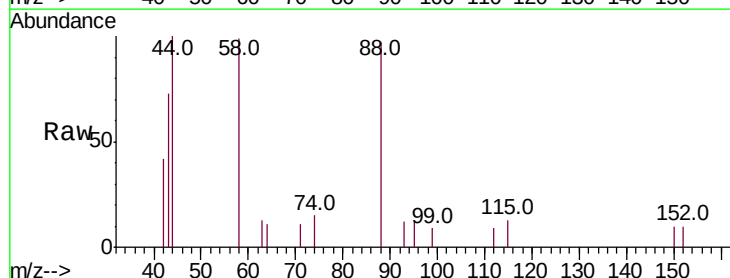
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



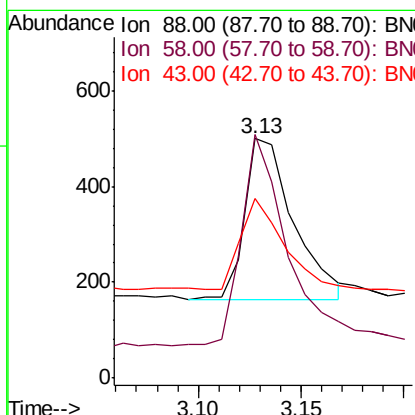
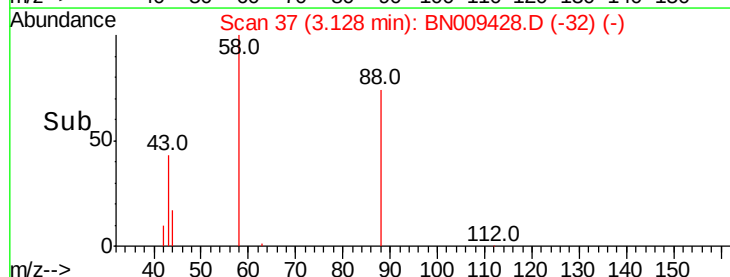
#2

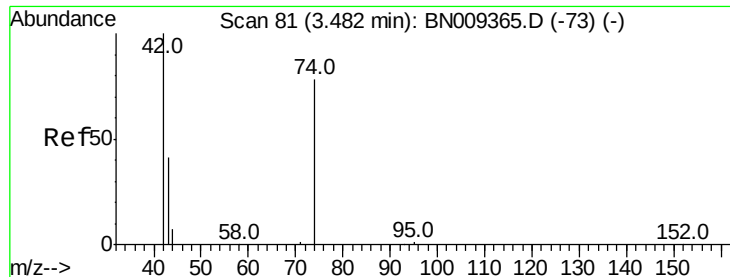
1,4-Dioxane
Concen: 0.396 ng
RT: 3.13 min Scan# 37
Delta R.T. -0.01 min
Lab File: BN009428.D
Acq: 23 Jan 2020 17:52

Tgt Ion: 88 Resp: 548
Ion Ratio Lower Upper
88 100
58 120.4 100.2 150.2
43 49.8 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



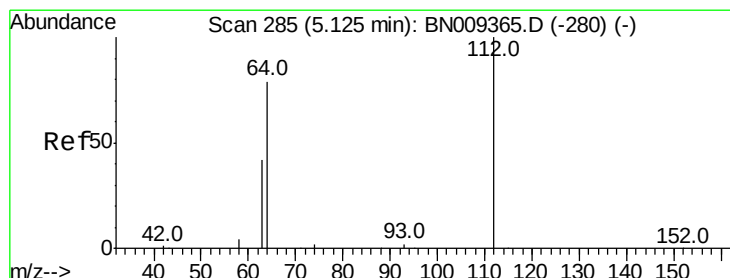
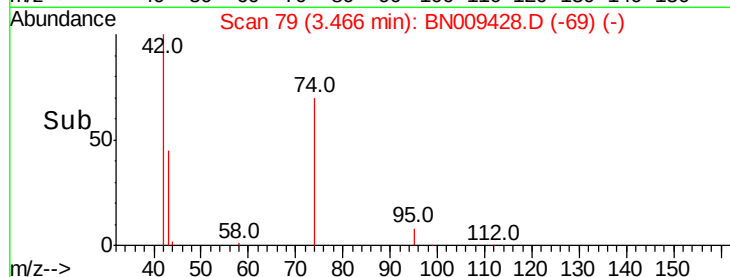
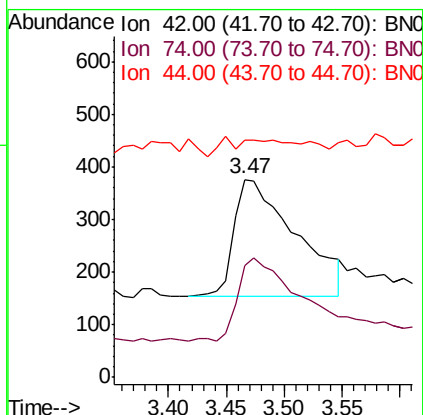
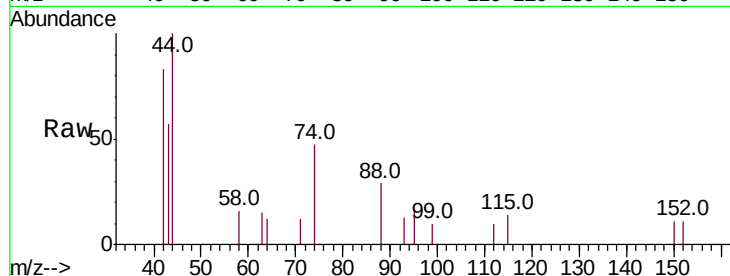


#3

n-Nitrosodimethylamine
 Concen: 0.386 ng
 RT: 3.47 min Scan# 79
 Delta R.T. -0.02 min
 Lab File: BN009428.D
 Acq: 23 Jan 2020 17:52

Instrument :
 BNA_N
 ClientSampleId :

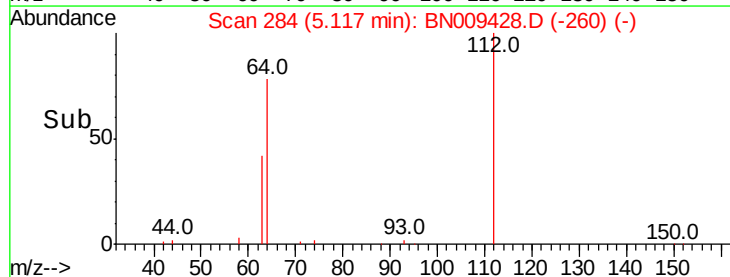
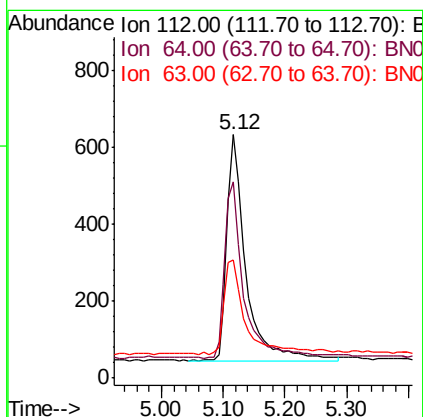
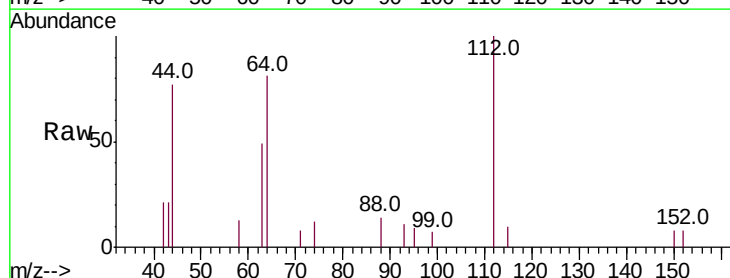
Tot Ion: 42 Resp: 826
 Ion Ratio Lower Upper
 42 100
 74 69.7 55.8 83.8
 44 0.0 11.1 16.7#

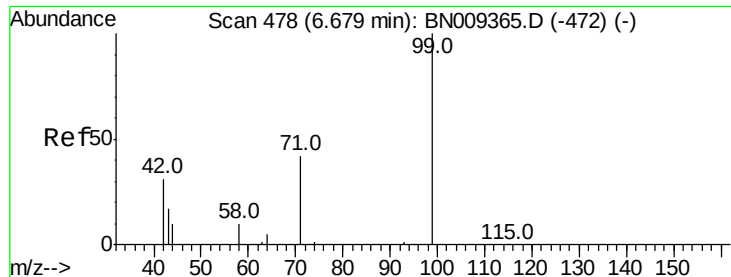


#4

2-Fluorophenol
 Concen: 0.408 ng
 RT: 5.12 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: BN009428.D
 Acq: 23 Jan 2020 17:52

Tgt Ion: 112 Resp: 1246
 Ion Ratio Lower Upper
 112 100
 64 79.5 61.5 92.3
 63 46.5 35.0 52.4





#5

Phenol-d6

Concen: 0.422 ng

RT: 6.67 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

Instrument :

BNA_N

ClientSampleId :

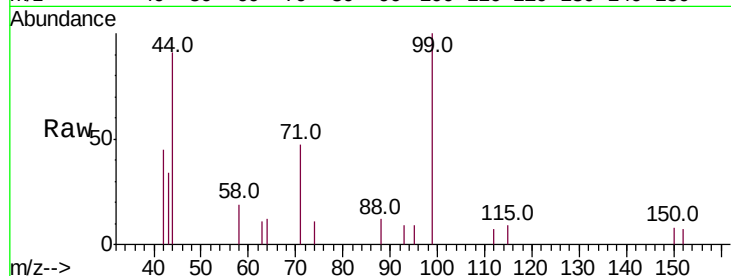
Tot Ion: 99 Resp: 1493

Ion Ratio Lower Upper

99 100

42 33.8 27.6 41.4

71 41.4 33.0 49.6



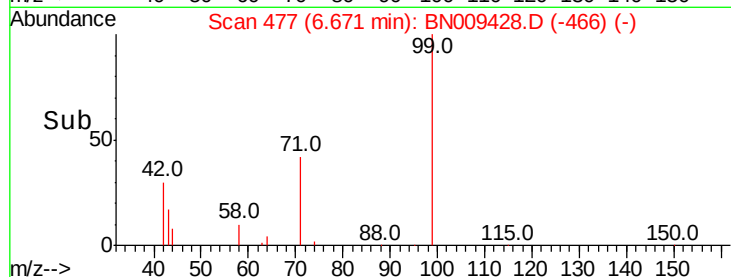
Abundance Ion 99.00 (98.70 to 99.70): BN009428.D (-472) (-)

Ion 42.00 (41.70 to 42.70): BN009428.D (-472) (-)

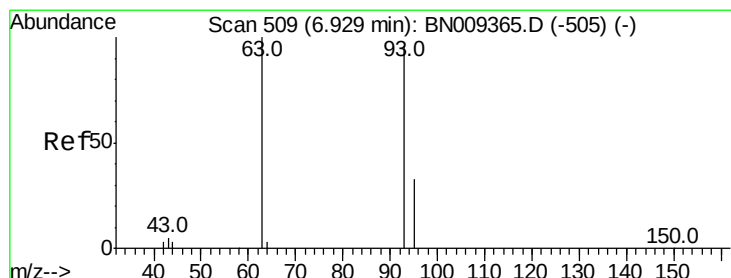
Ion 71.00 (70.70 to 71.70): BN009428.D (-472) (-)

6.67

6.60 6.70 6.80 6.90



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.384 ng

RT: 6.92 min Scan# 508

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

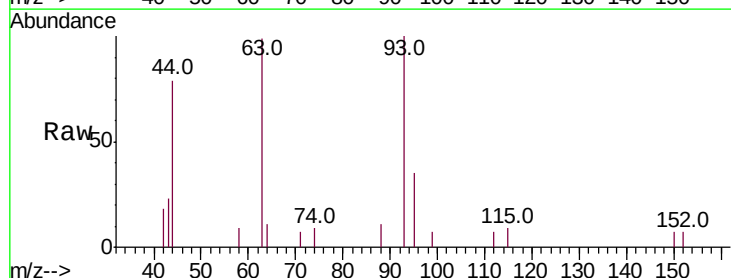
Tgt Ion: 93 Resp: 1398

Ion Ratio Lower Upper

93 100

63 104.6 85.1 127.7

95 36.3 30.2 45.4



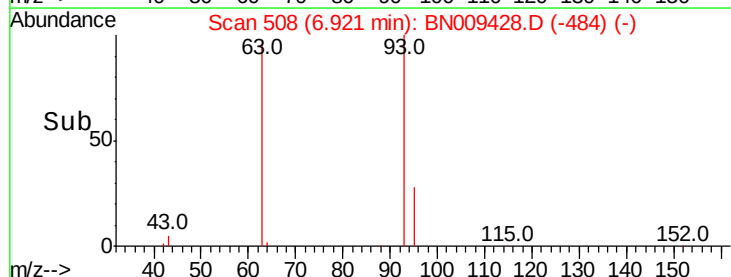
Abundance Ion 93.00 (92.70 to 93.70): BN009428.D (-505) (-)

Ion 63.00 (62.70 to 63.70): BN009428.D (-505) (-)

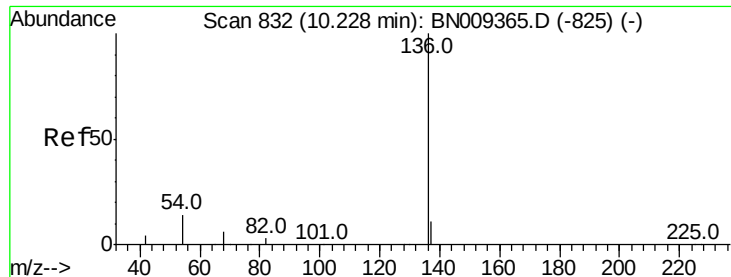
Ion 95.00 (94.70 to 95.70): BN009428.D (-505) (-)

6.92

6.90 7.00



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.22 min Scan# 831

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 4942

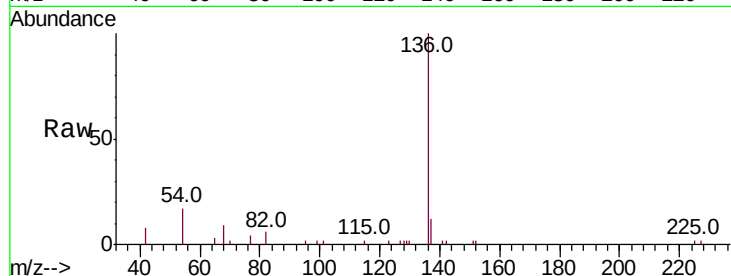
Ion Ratio Lower Upper

136 100

137 12.4 10.3 15.5

54 17.2 12.6 19.0

68 8.9 6.5 9.7

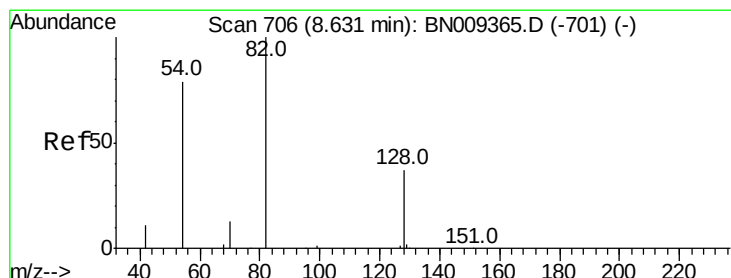
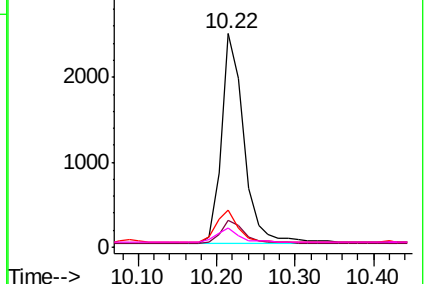
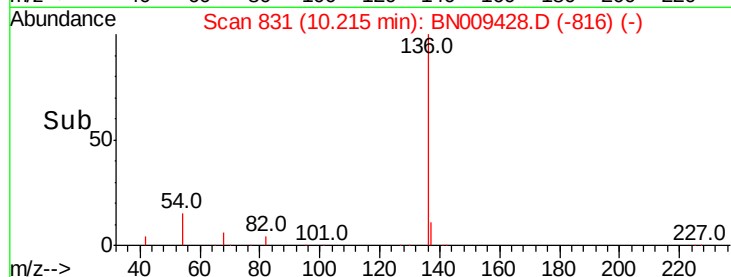


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.406 ng

RT: 8.62 min Scan# 705

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

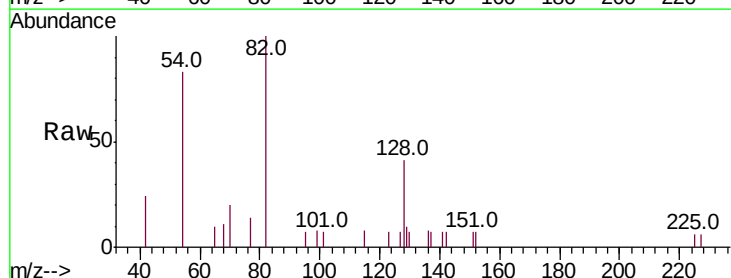
Tgt Ion: 82 Resp: 1600

Ion Ratio Lower Upper

82 100

128 40.6 34.8 52.2

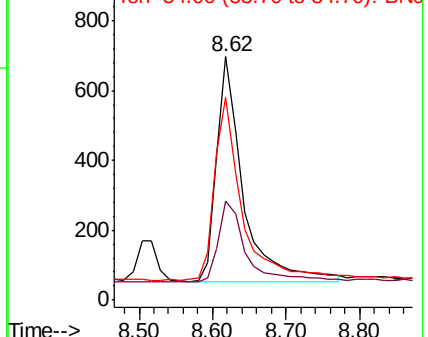
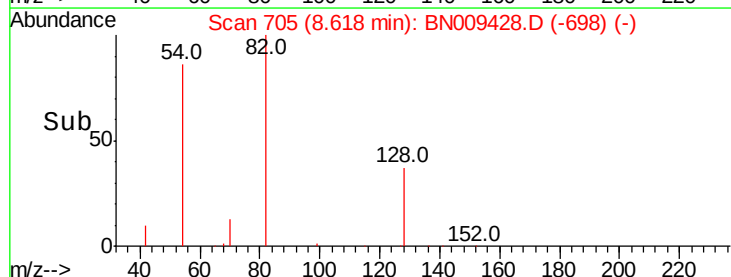
54 83.4 65.8 98.6

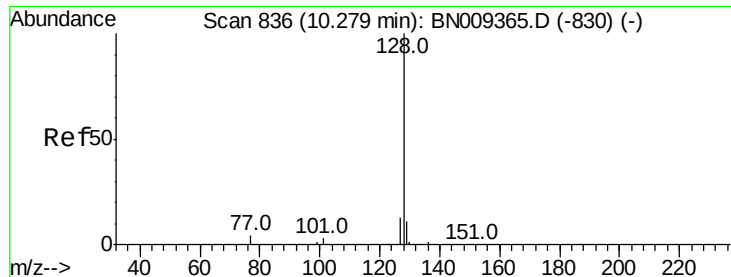


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.392 ng

RT: 10.27 min Scan# 835

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

Instrument :

BNA_N

ClientSampleId :

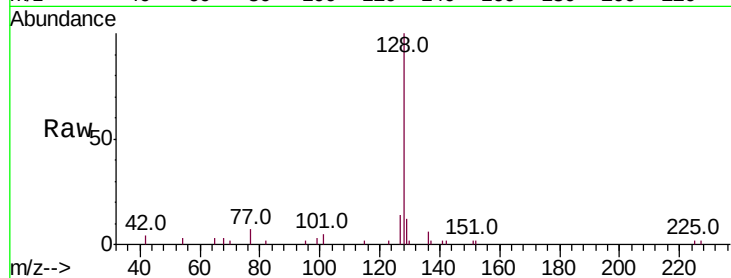
Tot Ion:128 Resp: 5244

Ion Ratio Lower Upper

128 100

129 12.1 10.4 15.6

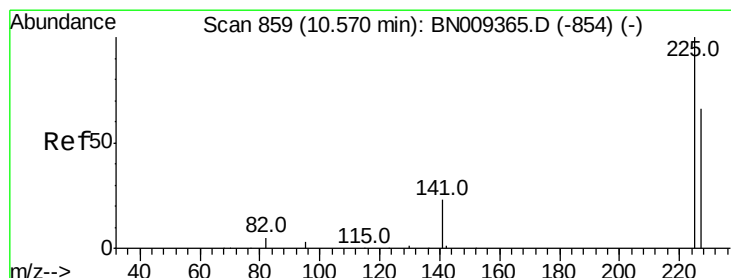
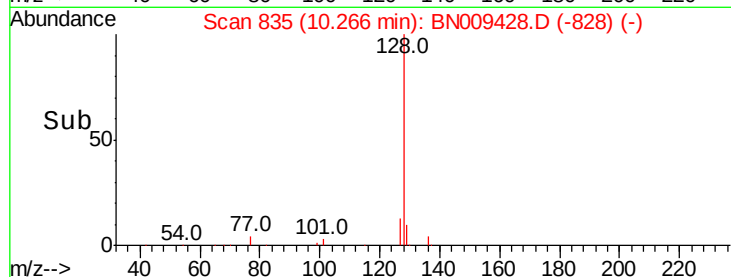
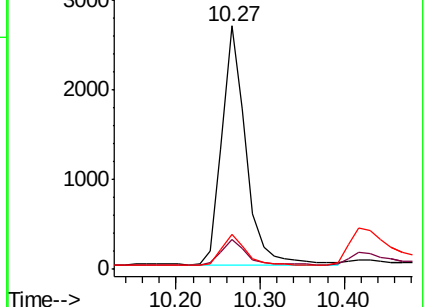
127 14.5 11.4 17.2



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: 0.399 ng

RT: 10.56 min Scan# 858

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

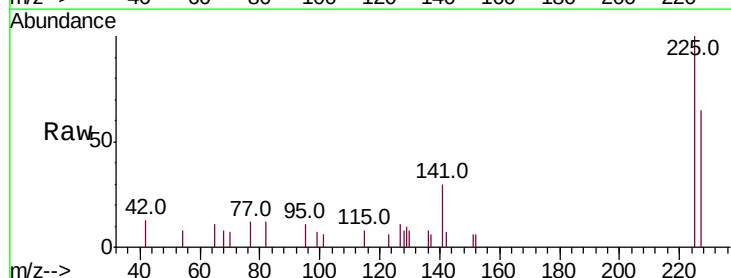
Tgt Ion:225 Resp: 1170

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

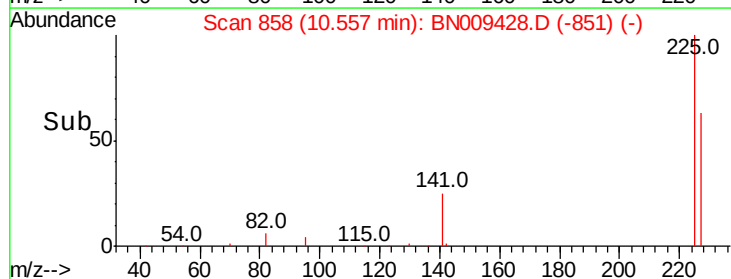
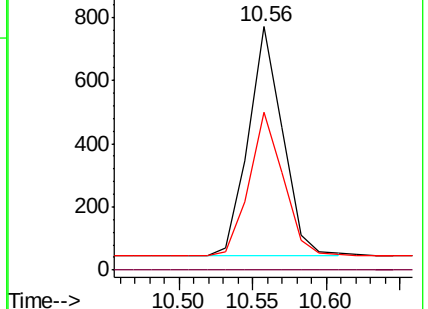
227 62.8 52.6 78.8

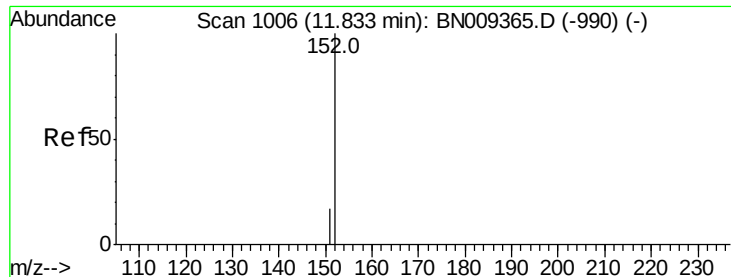


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.331 ng

RT: 11.82 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

Instrument :

BNA_N

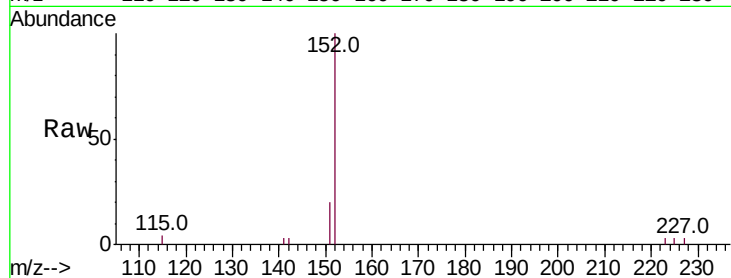
ClientSampleId :

Tot Ion:152 Resp: 3160

Ion Ratio Lower Upper

152 100

151 19.9 14.8 22.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.82

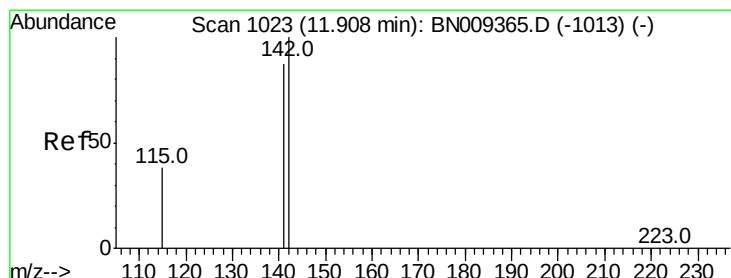
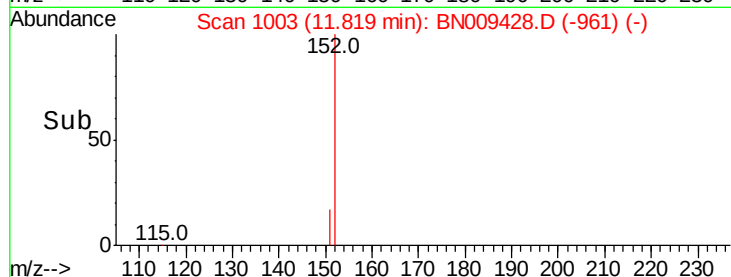
1500

1000

500

0

Time--> 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.400 ng

RT: 11.89 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

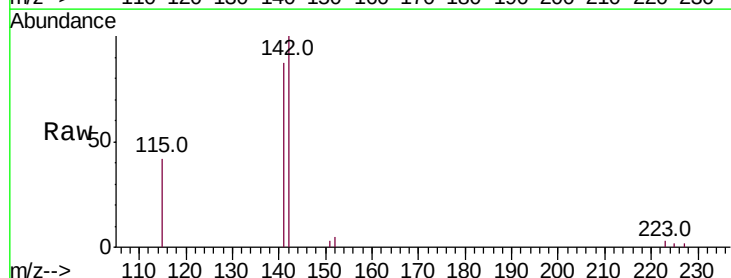
Tgt Ion:142 Resp: 3728

Ion Ratio Lower Upper

142 100

141 86.8 69.8 104.6

115 41.7 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

2500

2000

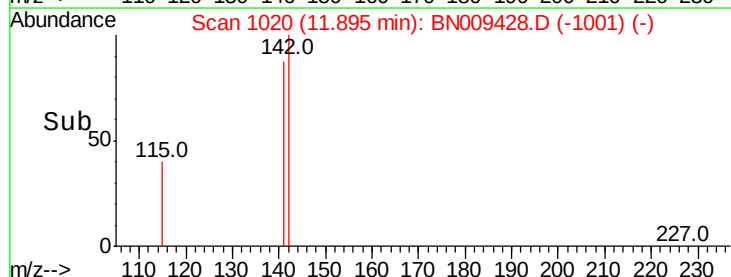
1500

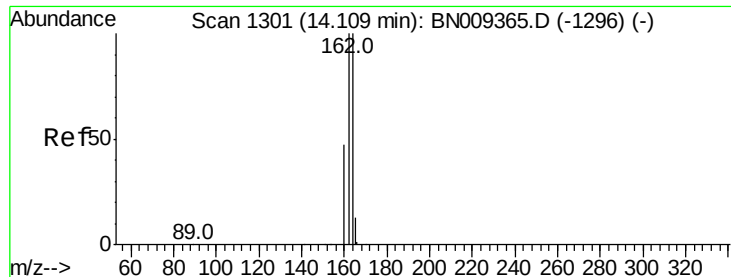
1000

500

0

Time--> 11.80 11.90 12.00 12.10





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

Instrument :

BNA_N

ClientSampleId :

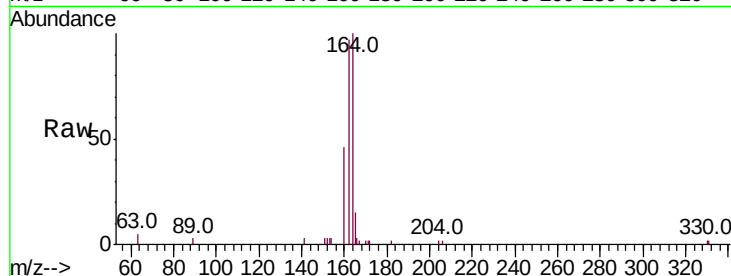
Tot Ion:164 Resp: 3319

Ion Ratio Lower Upper

164 100

162 97.4 79.8 119.6

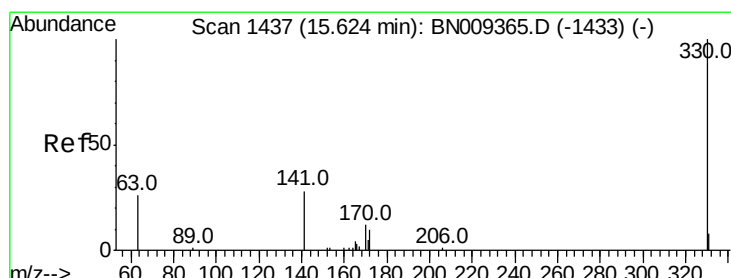
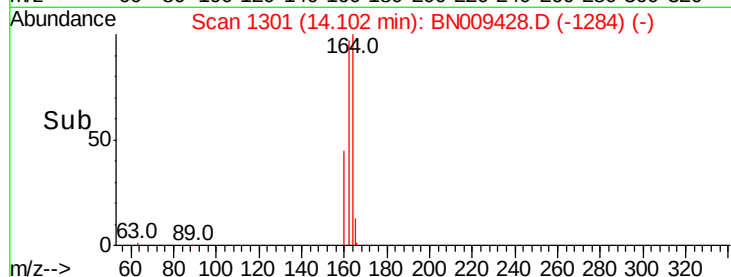
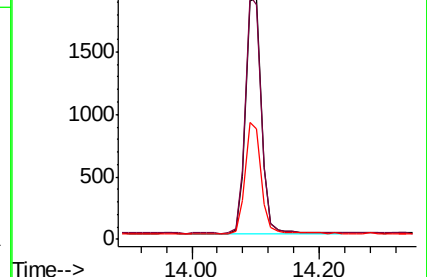
160 46.0 38.4 57.6



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: 0.386 ng

RT: 15.61 min Scan# 1436

Delta R.T. -0.02 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

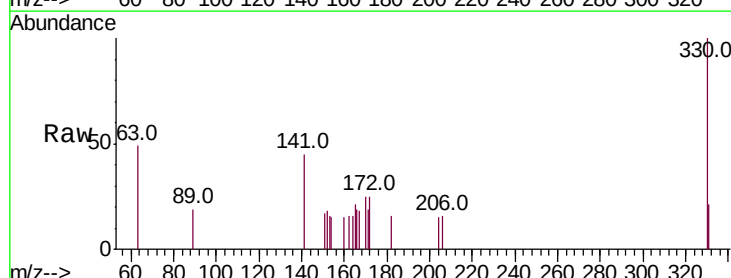
Tgt Ion:330 Resp: 484

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

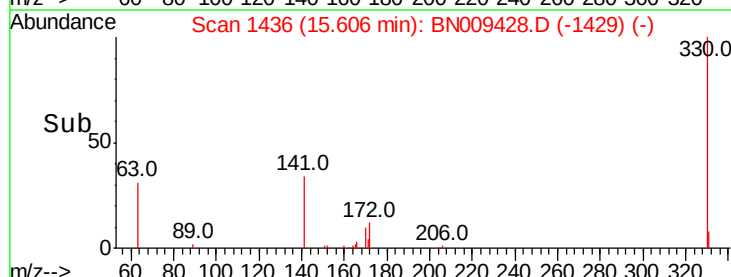
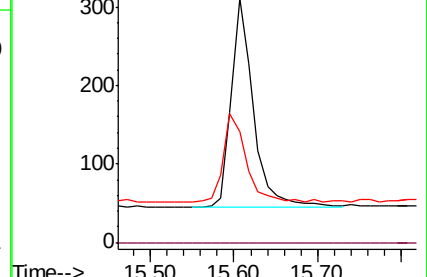
141 44.4 33.1 49.7

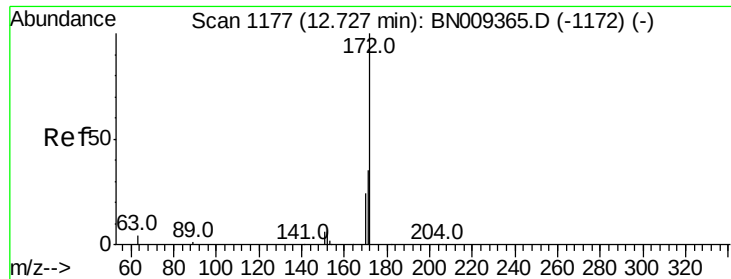


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

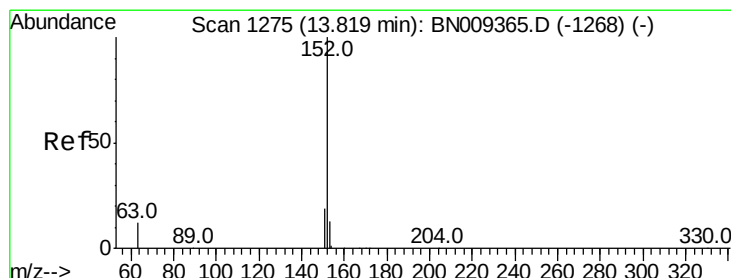
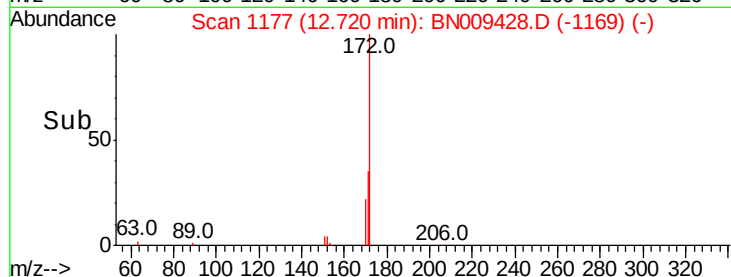
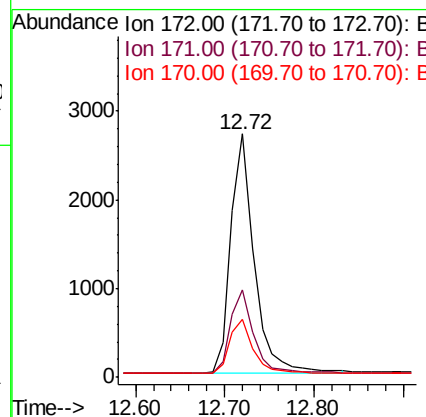
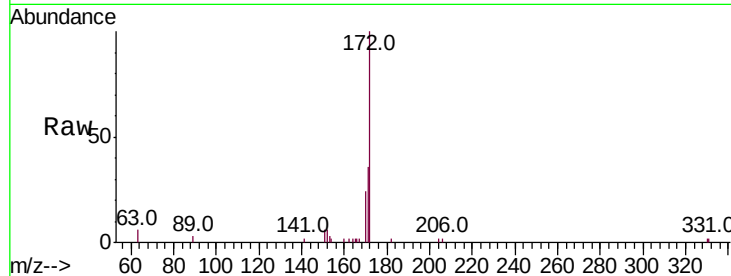




#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 12.72 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BN009428.D
Acq: 23 Jan 2020 17:52

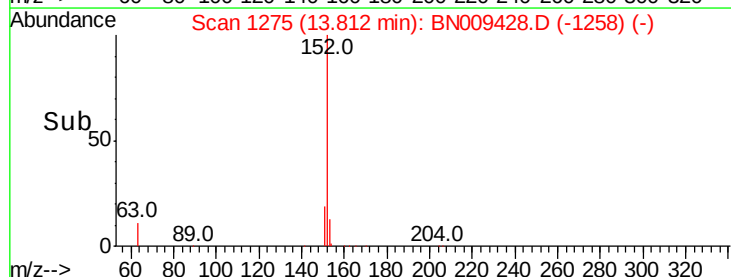
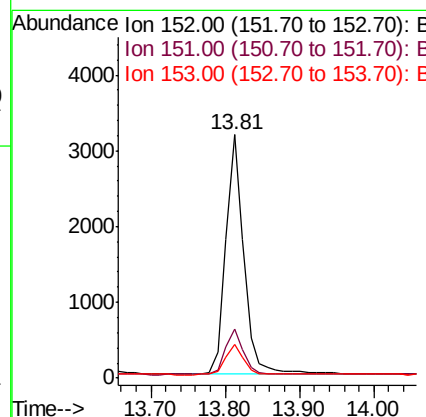
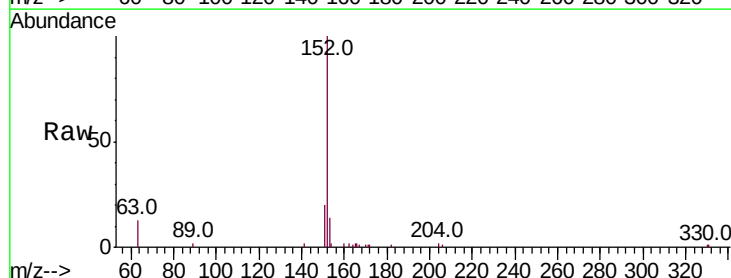
Instrument :
BNA_N
ClientSampleId :

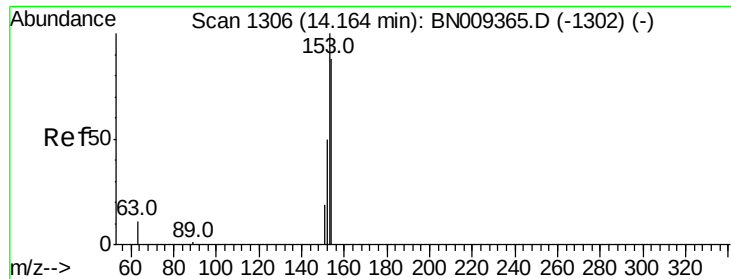
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.5	44.3
170	23.6	20.7	31.1



#16
Acenaphthylene
Concen: 0.373 ng
RT: 13.81 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BN009428.D
Acq: 23 Jan 2020 17:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	13.0	10.4	15.6





#17

Acenaphthene

Concen: 0.370 ng

RT: 14.16 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

Instrument :

BNA_N

ClientSampleId :

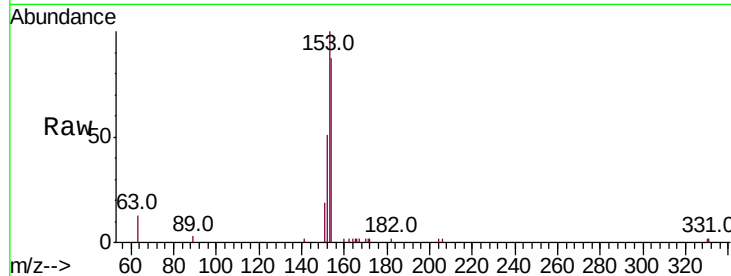
Tot Ion:154 Resp: 3723

Ion Ratio Lower Upper

154 100

153 113.1 90.5 135.7

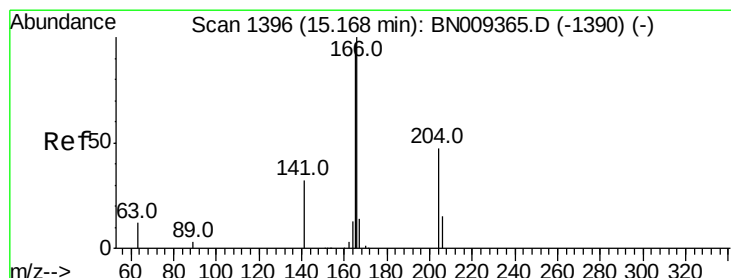
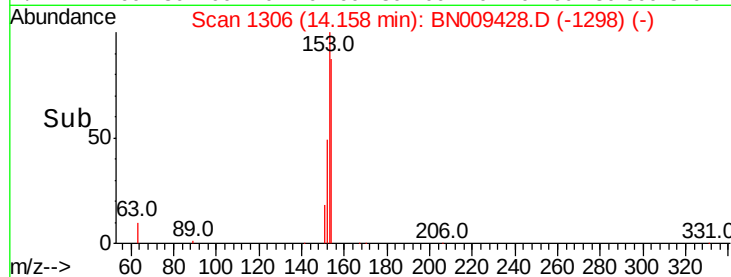
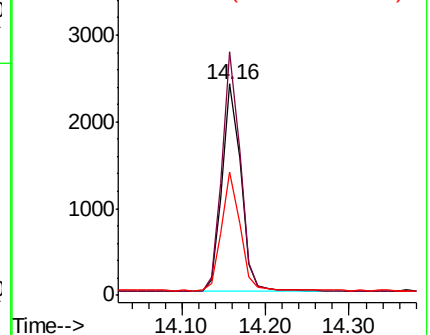
152 56.8 45.3 67.9



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: 0.371 ng

RT: 15.16 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

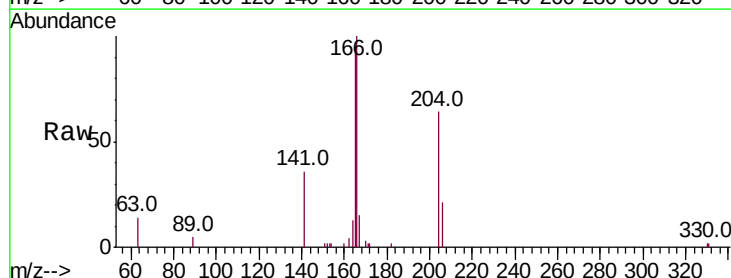
Tgt Ion:166 Resp: 4873

Ion Ratio Lower Upper

166 100

165 97.0 78.2 117.2

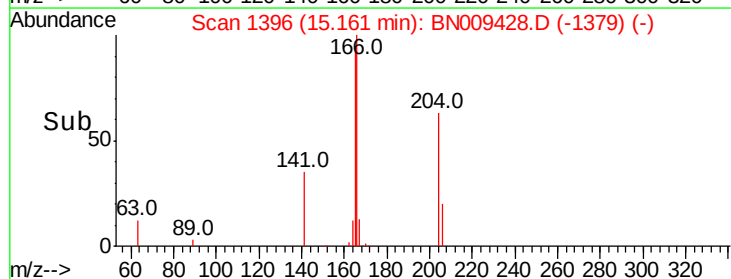
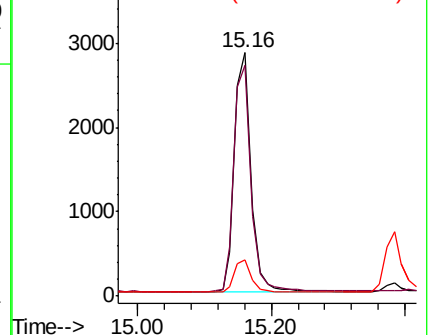
167 13.4 11.0 16.6

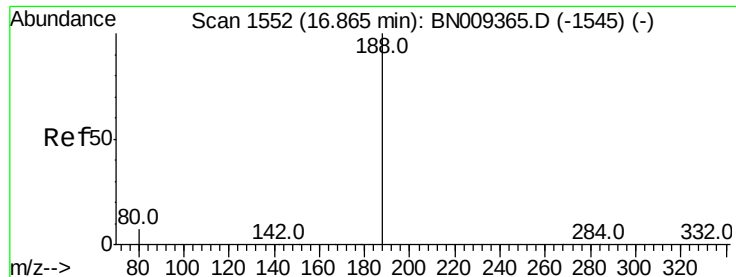


Abundance Ion 166.00 (165.70 to 166.70): E

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: BN009428.D

Acq: 23 Jan 2020 17:52

Instrument :

BNA_N

ClientSampleId :

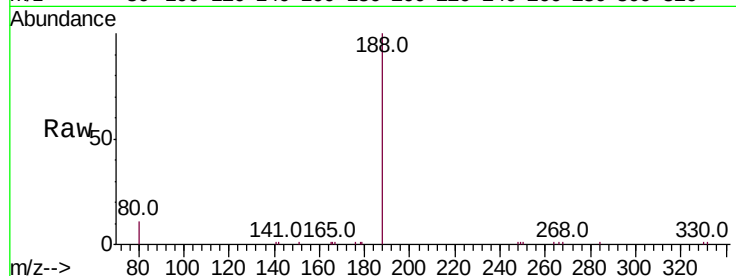
Tot Ion:188 Resp: 6902

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

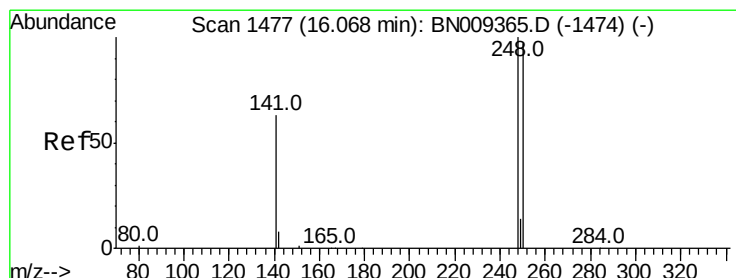
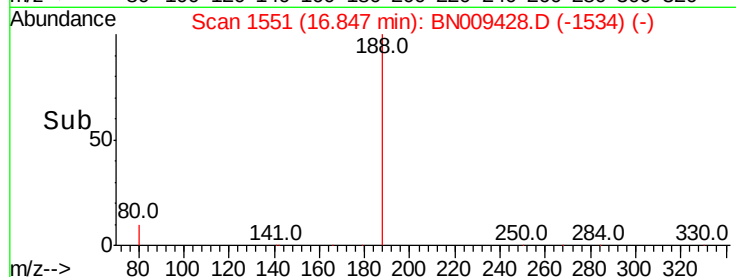
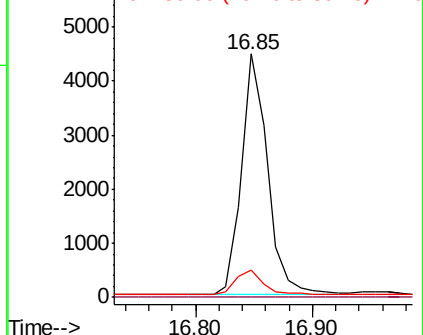
80 11.1 6.6 10.0#



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: 0.384 ng

RT: 16.06 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

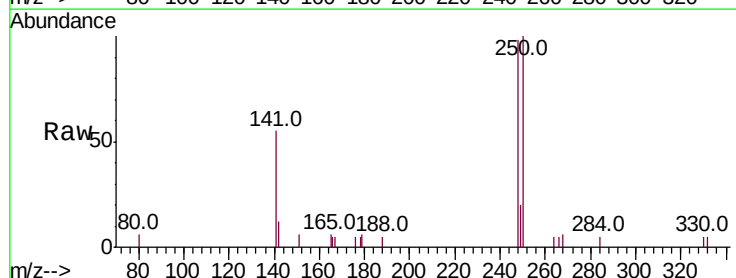
Tgt Ion:248 Resp: 1596

Ion Ratio Lower Upper

248 100

250 102.2 77.8 116.8

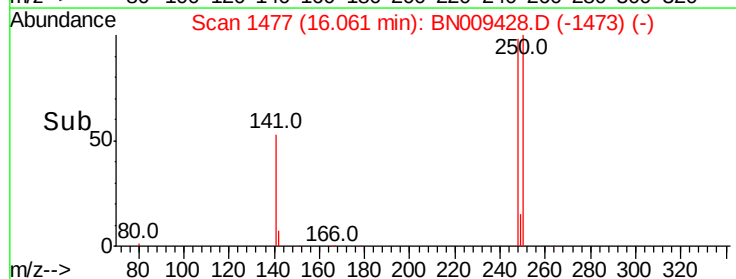
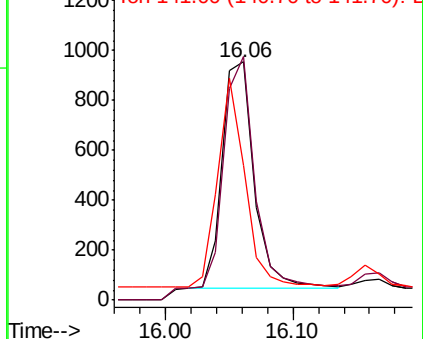
141 56.6 53.4 80.0

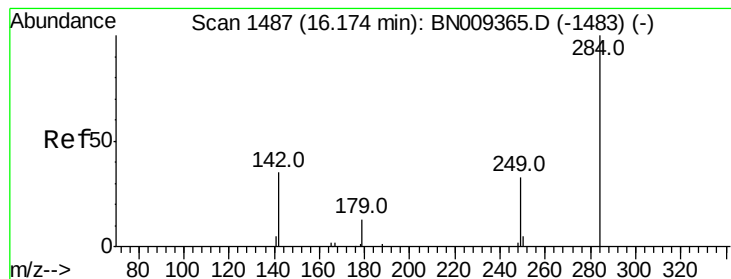


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.390 ng

RT: 16.17 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

Instrument :

BNA_N

ClientSampleId :

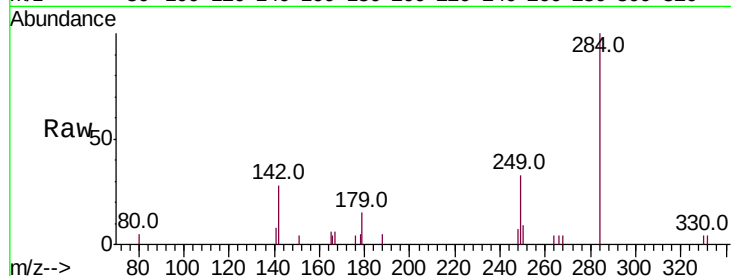
Tot Ion:284 Resp: 1726

Ion Ratio Lower Upper

284 100

142 41.7 33.8 50.8

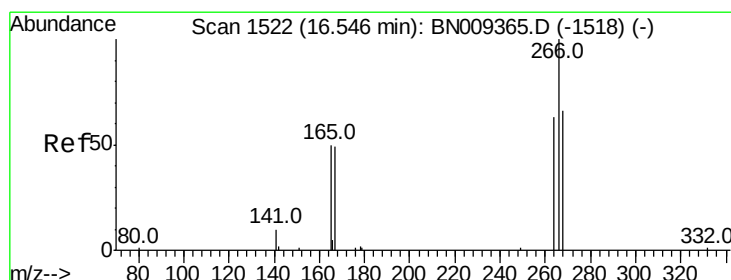
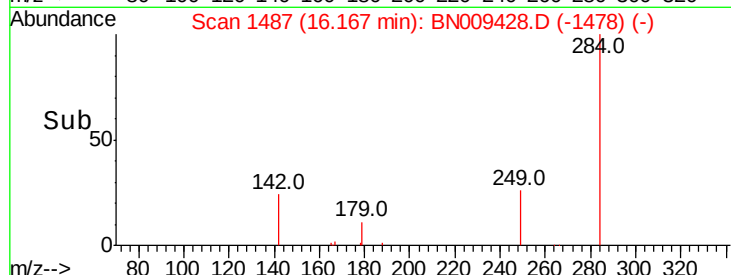
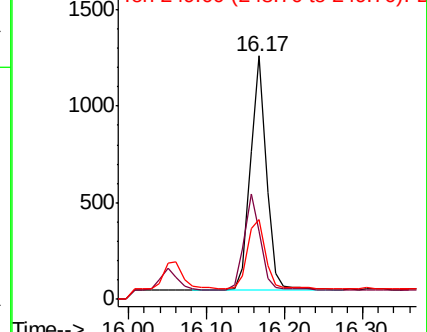
249 33.3 27.0 40.4



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: 0.450 ng

RT: 16.53 min Scan# 1521

Delta R.T. -0.02 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

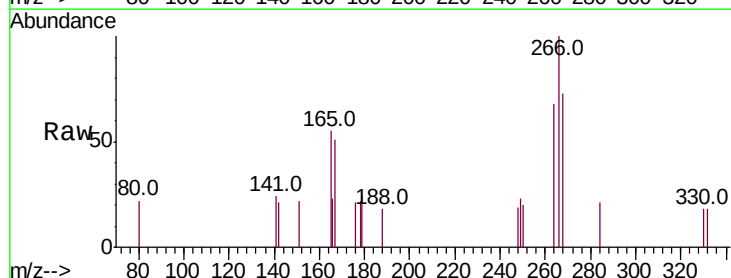
Tgt Ion:266 Resp: 474

Ion Ratio Lower Upper

266 100

264 67.7 57.8 86.6

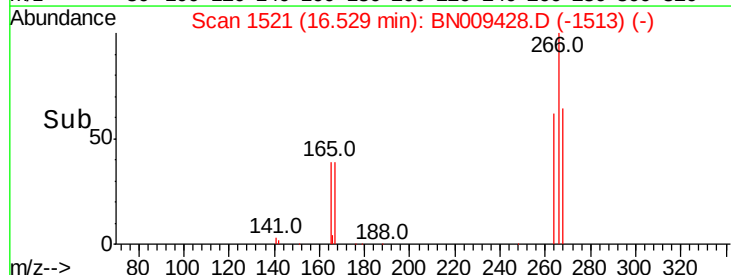
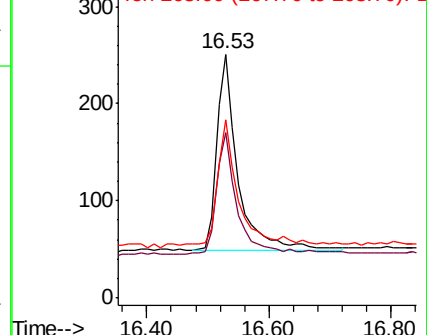
268 73.3 63.8 95.6

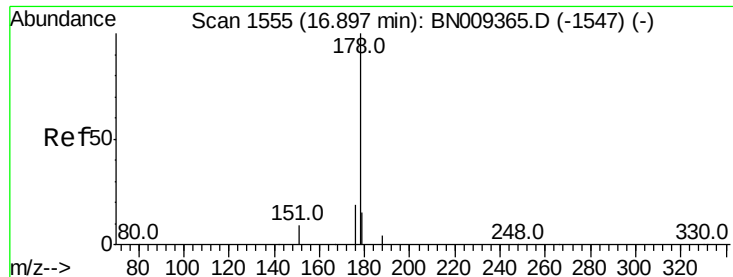


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.381 ng

RT: 16.89 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

Instrument :

BNA_N

ClientSampleId :

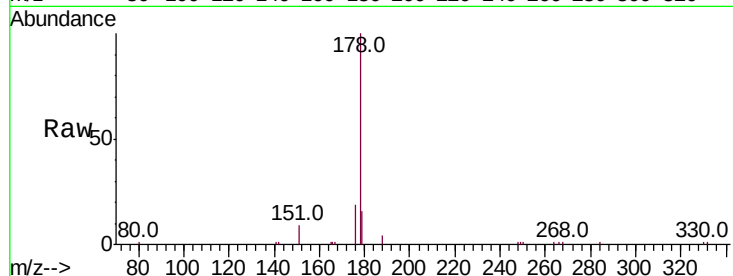
Tot Ion:178 Resp: 7902

Ion Ratio Lower Upper

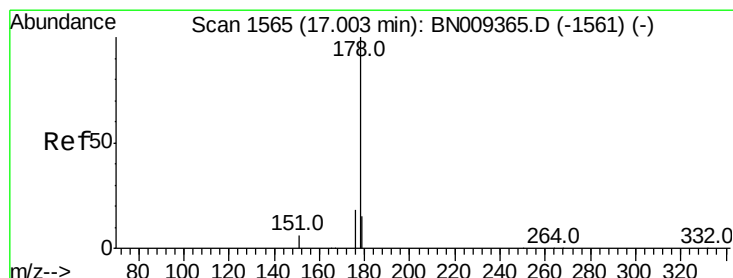
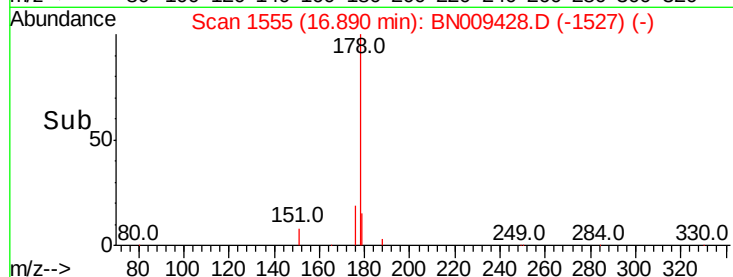
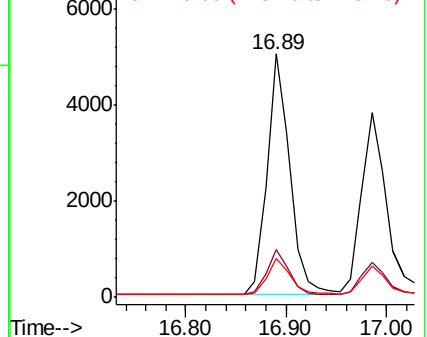
178 100

176 18.4 15.0 22.4

179 15.7 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: 0.385 ng

RT: 16.99 min Scan# 1564

Delta R.T. -0.02 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

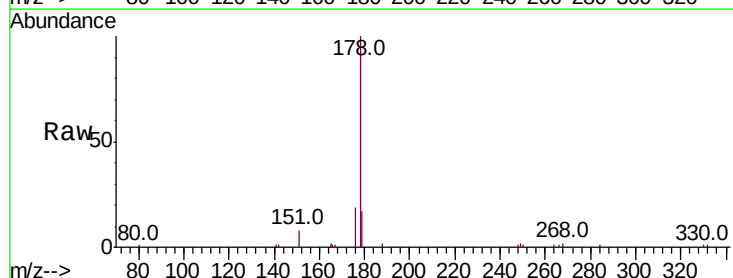
Tgt Ion:178 Resp: 6697

Ion Ratio Lower Upper

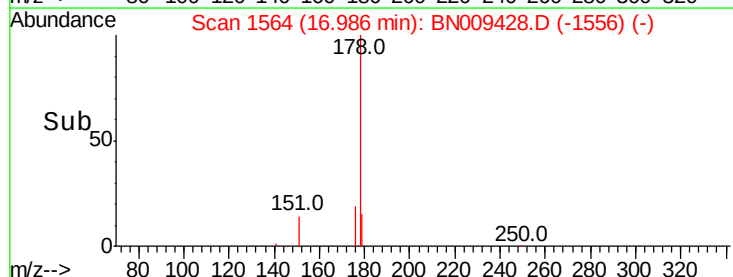
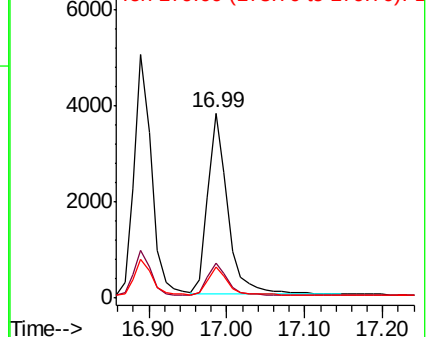
178 100

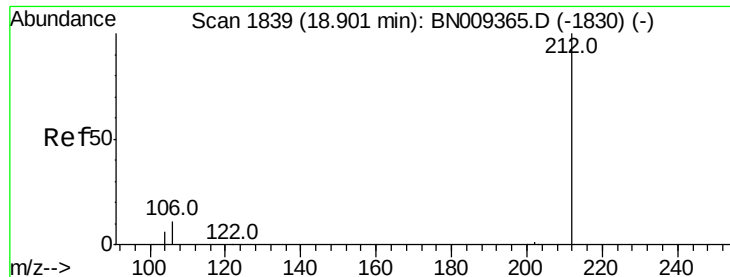
176 17.9 14.6 21.8

179 15.2 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





#25

Fluoranthene-d10

Concen: 0.310 ng

RT: 18.89 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

Instrument :

BNA_N

ClientSampleId :

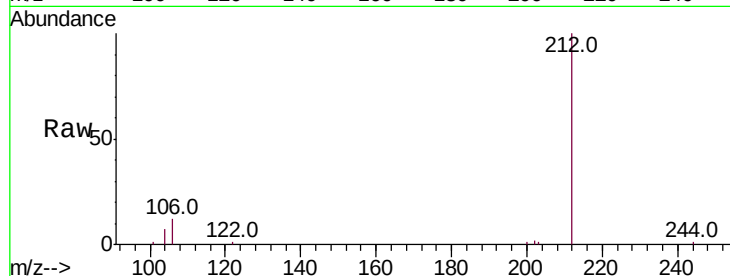
Tot Ion:212 Resp: 7326

Ion Ratio Lower Upper

212 100

106 12.0 9.2 13.8

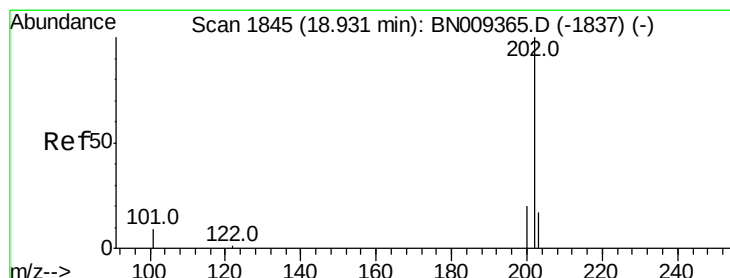
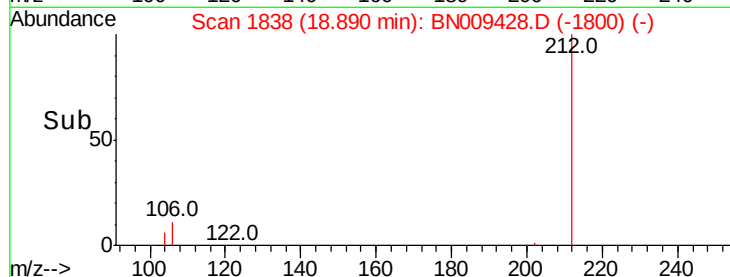
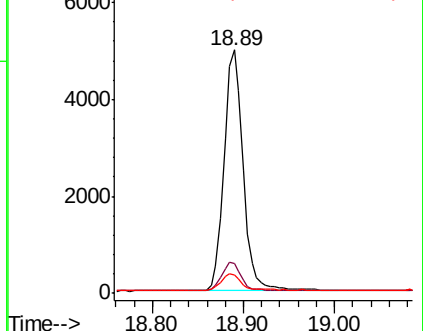
104 6.8 5.4 8.0



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: 0.374 ng

RT: 18.92 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

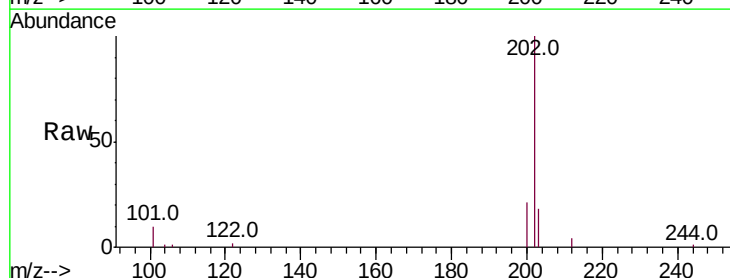
Tgt Ion:202 Resp: 9102

Ion Ratio Lower Upper

202 100

101 10.3 8.0 12.0

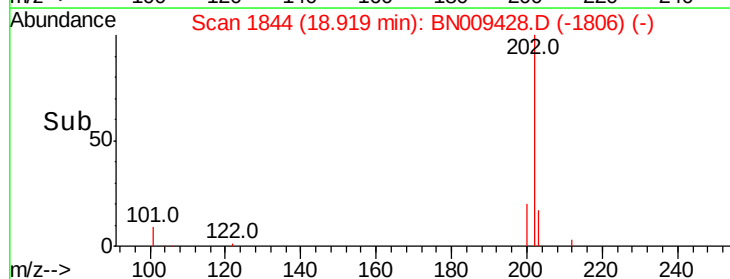
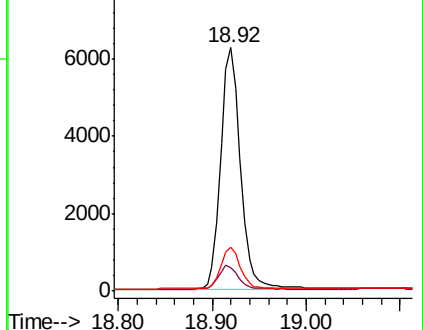
203 16.9 13.5 20.3

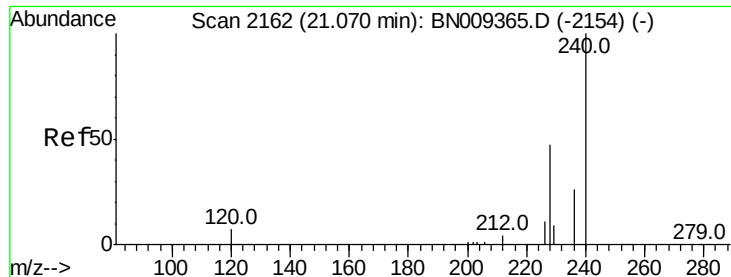


Abundance Ion 202.00 (201.70 to 202.70): E

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: BN009428.D

Acq: 23 Jan 2020 17:52

Instrument :

BNA_N

ClientSampled :

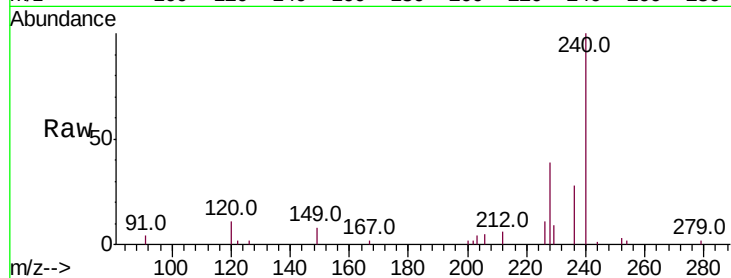
Tot Ion:240 Resp: 5969

Ion Ratio Lower Upper

240 100

120 10.7 8.1 12.1

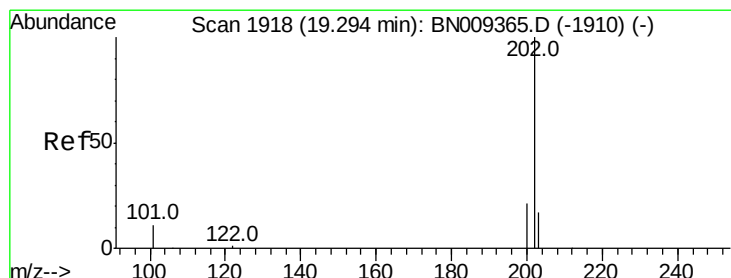
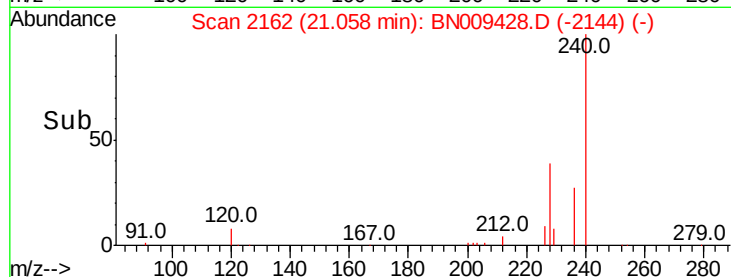
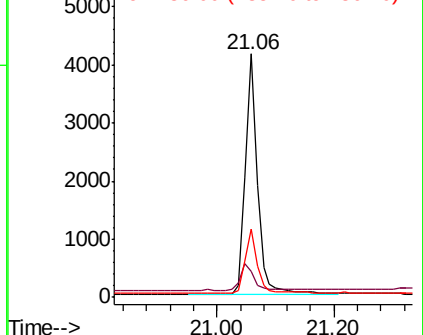
236 27.9 22.2 33.4



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: 0.410 ng

RT: 19.28 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

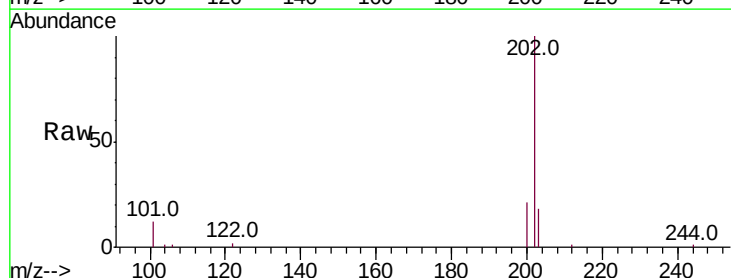
Tgt Ion:202 Resp: 9275

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

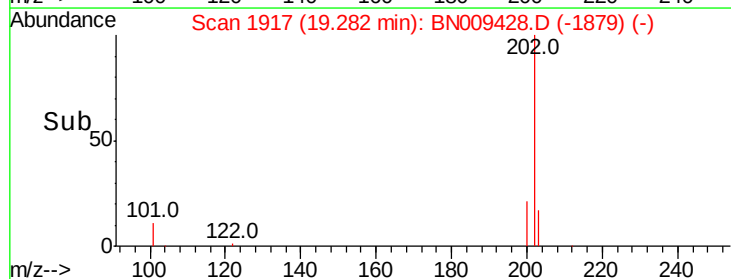
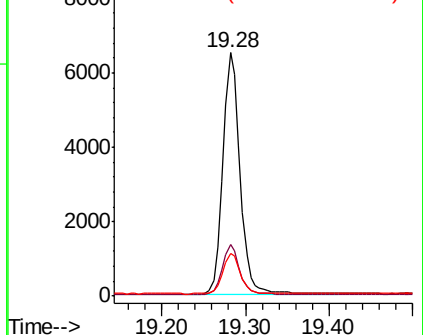
203 17.7 14.1 21.1

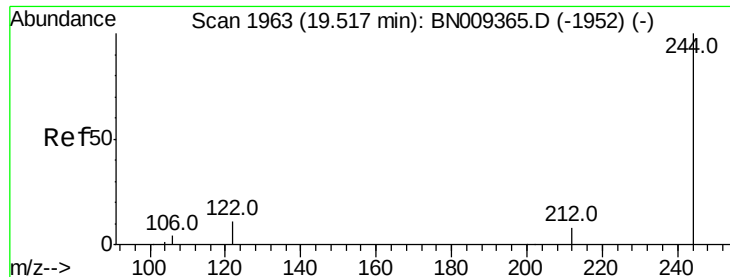


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.422 ng

RT: 19.51 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

Instrument :

BNA_N

ClientSampleId :

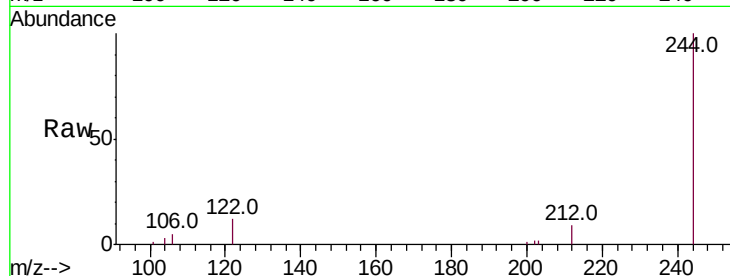
Tot Ion:244 Resp: 5968

Ion Ratio Lower Upper

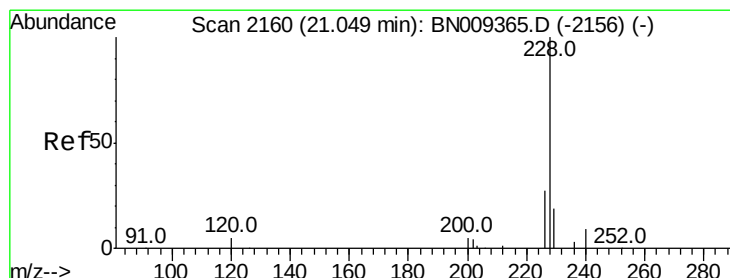
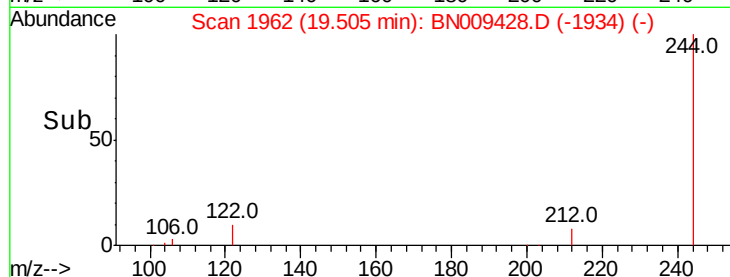
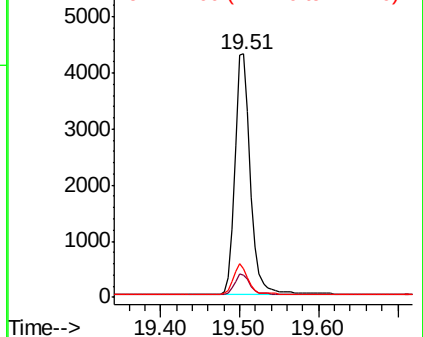
244 100

212 9.2 7.5 11.3

122 11.6 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: 0.395 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

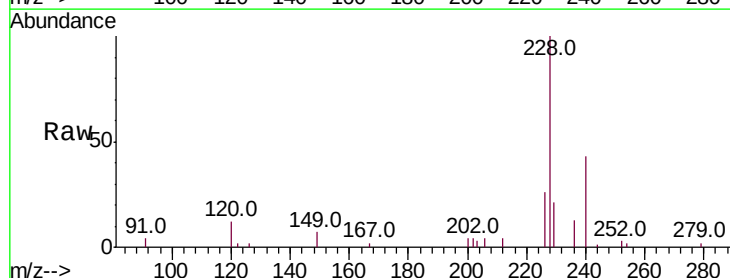
Tgt Ion:228 Resp: 7748

Ion Ratio Lower Upper

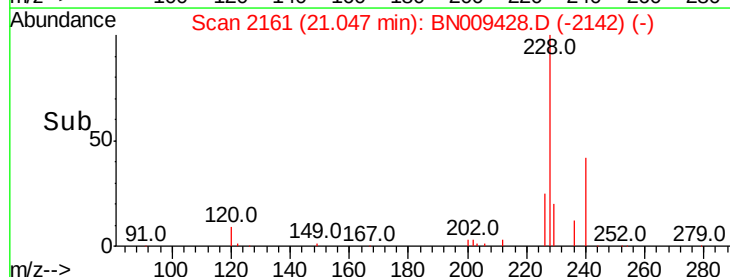
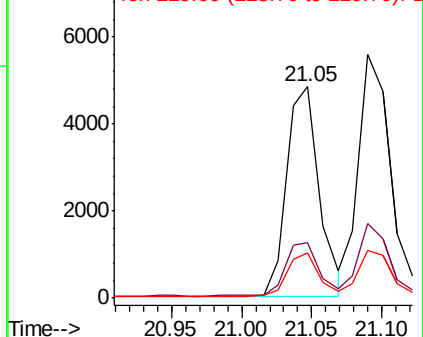
228 100

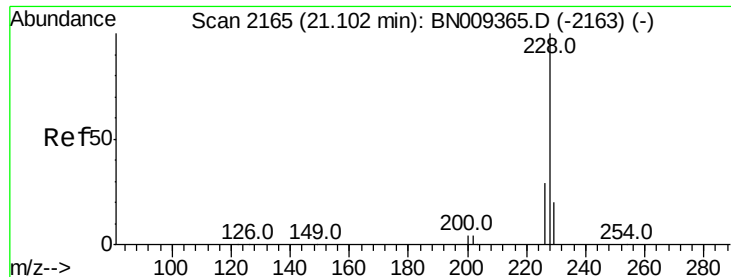
226 26.1 22.5 33.7

229 21.2 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: 0.393 ng

RT: 21.09 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

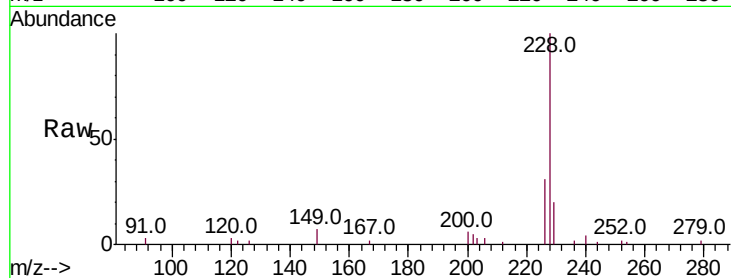
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 8823

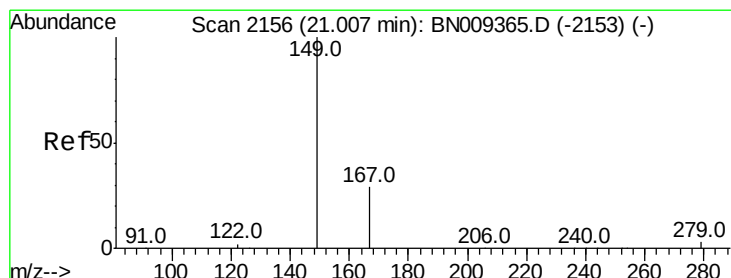
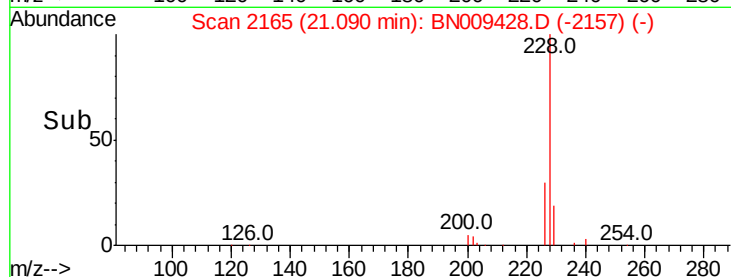
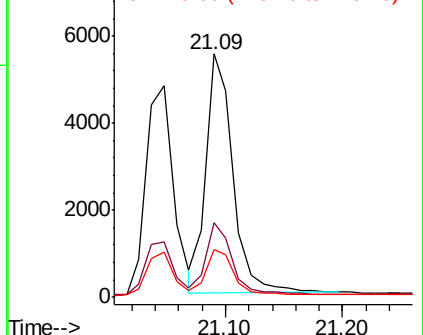
Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.8	35.8
229	19.9	16.6	24.8



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: 0.429 ng

RT: 20.99 min Scan# 2156

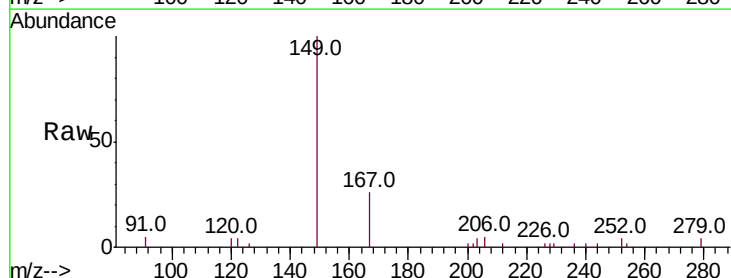
Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

Tgt Ion:149 Resp: 3721

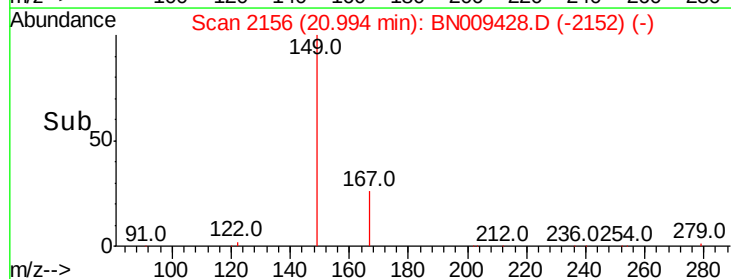
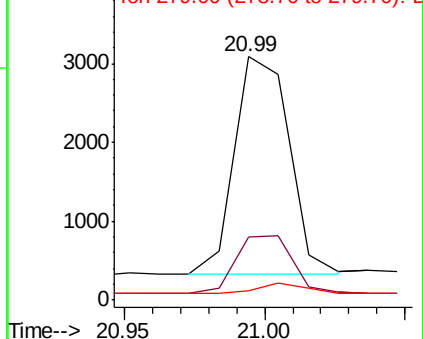
Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.9	34.3
279	4.3	3.4	5.0

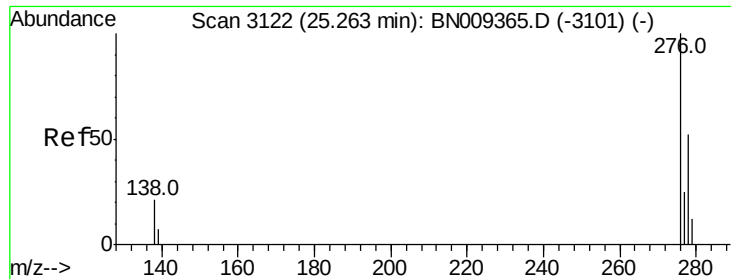


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.390 ng

RT: 25.25 min Scan# 3119

Delta R.T. -0.02 min

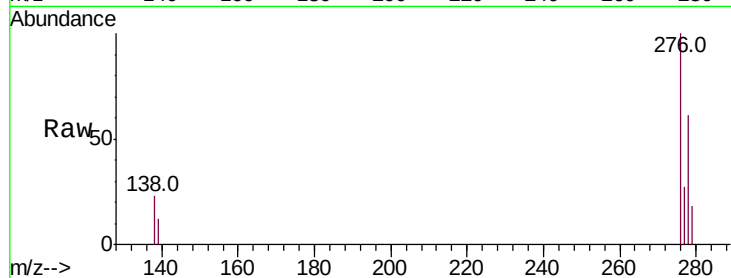
Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

Instrument :

BNA_N

ClientSampleId :



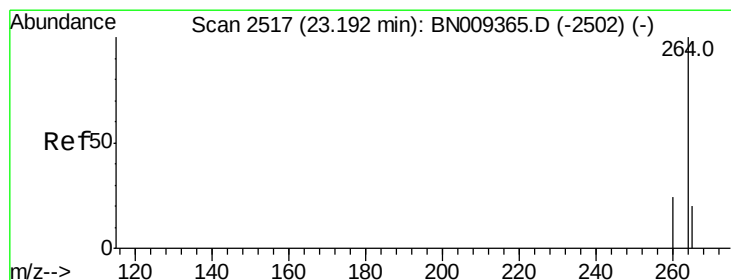
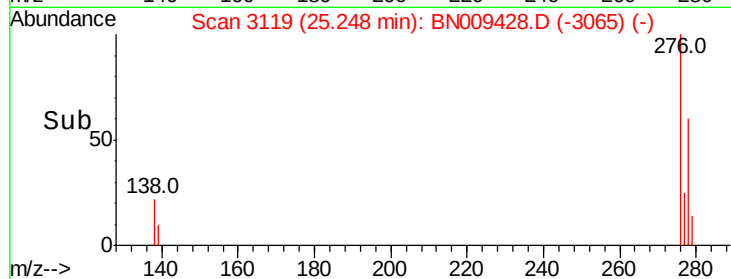
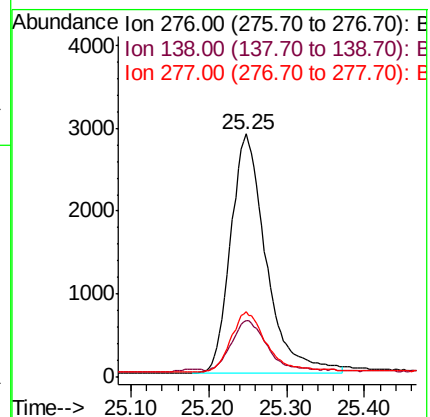
Tot Ion:276 Resp: 9111

Ion Ratio Lower Upper

276 100

138 20.4 15.9 23.9

277 24.8 19.8 29.6



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.18 min Scan# 2515

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

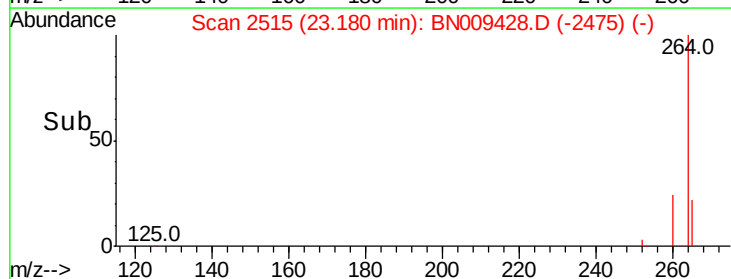
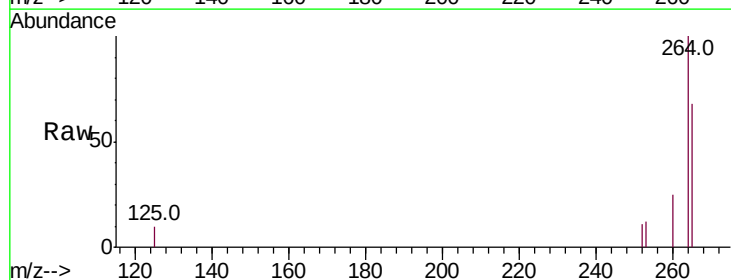
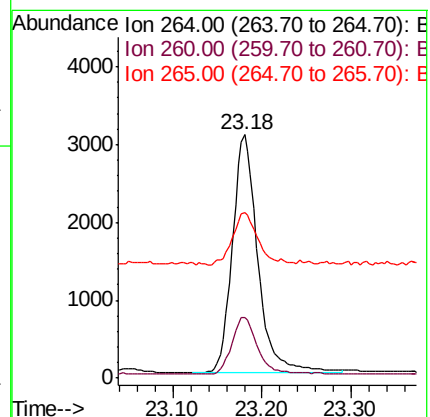
Tgt Ion:264 Resp: 6060

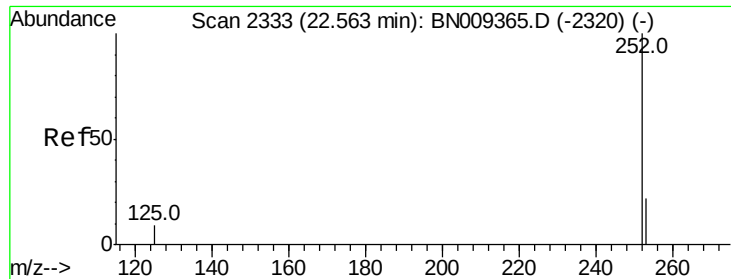
Ion Ratio Lower Upper

264 100

260 25.0 20.1 30.1

265 67.9 68.2 102.4#





#35

Benzo(b)fluoranthene

Concen: 0.367 ng

RT: 22.55 min Scan# 2332

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

Instrument :

BNA_N

ClientSampleId :

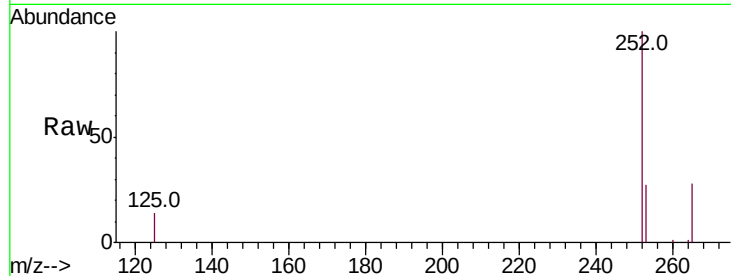
Tot Ion:252 Resp: 8176

Ion Ratio Lower Upper

252 100

253 27.3 22.4 33.6

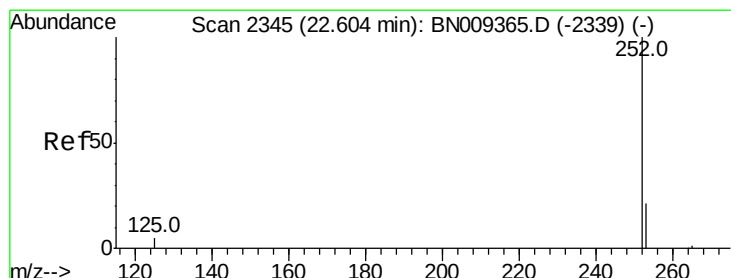
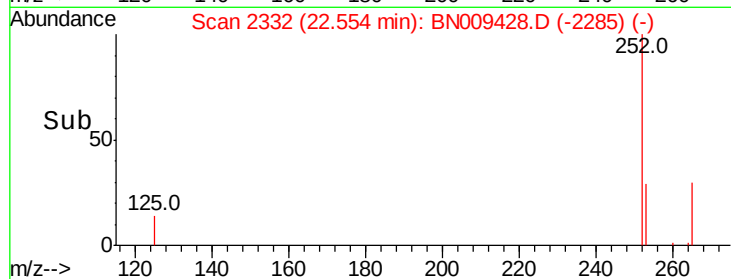
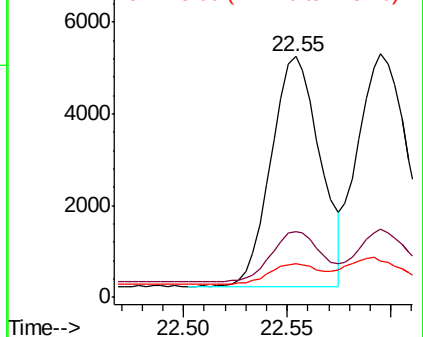
125 13.8 11.6 17.4



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



#36

Benzo(k)fluoranthene

Concen: 0.369 ng

RT: 22.59 min Scan# 2344

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

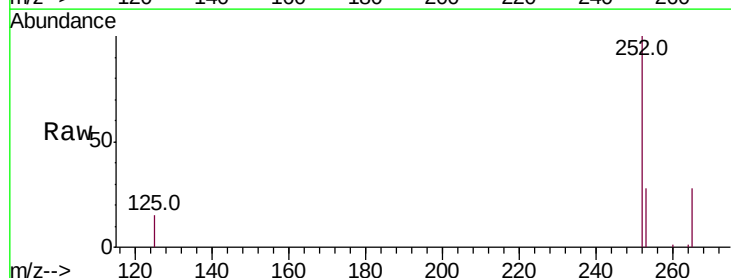
Tgt Ion:252 Resp: 9075

Ion Ratio Lower Upper

252 100

253 27.8 21.9 32.9

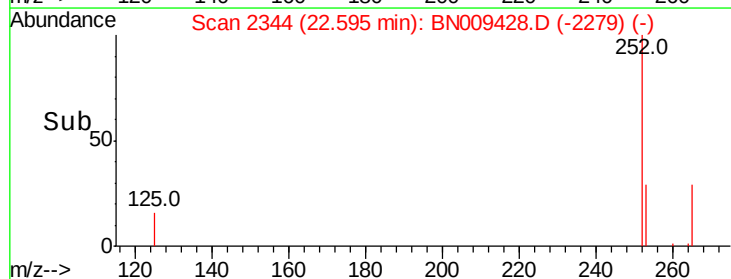
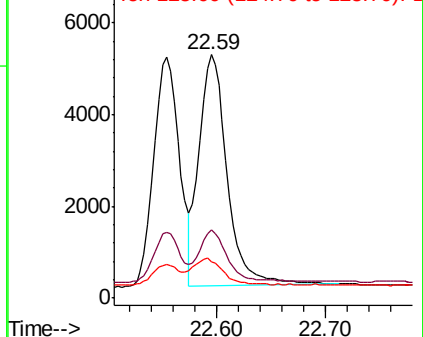
125 15.1 12.0 18.0

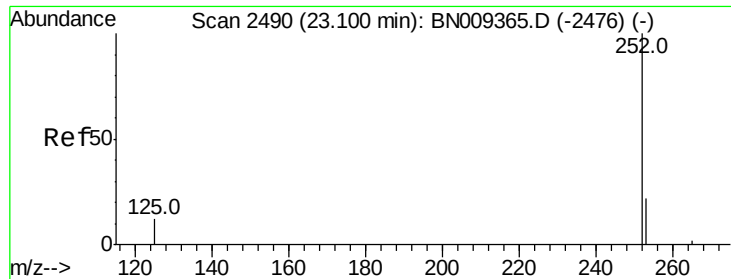


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.380 ng

RT: 23.09 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

Instrument :

BNA_N

ClientSampleId :

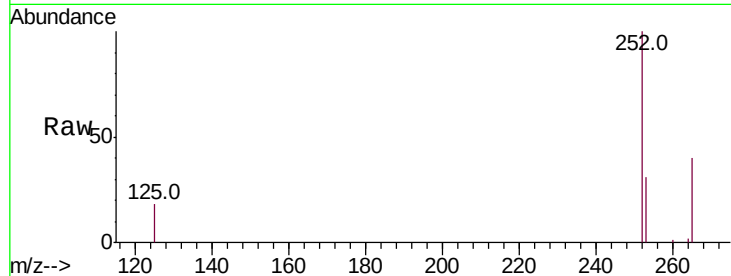
Tot Ion:252 Resp: 7465

Ion Ratio Lower Upper

252 100

253 30.7 25.4 38.0

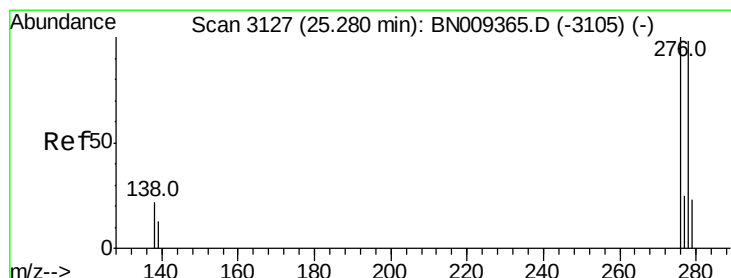
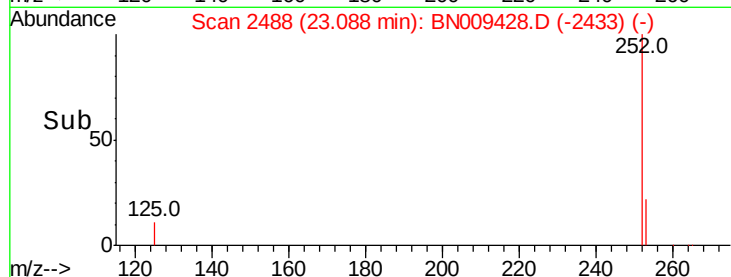
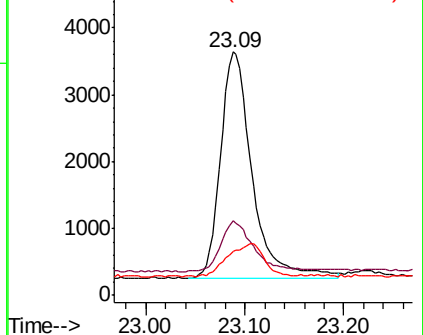
125 18.0 16.2 24.2



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: 0.371 ng

RT: 25.26 min Scan# 3123

Delta R.T. -0.02 min

Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

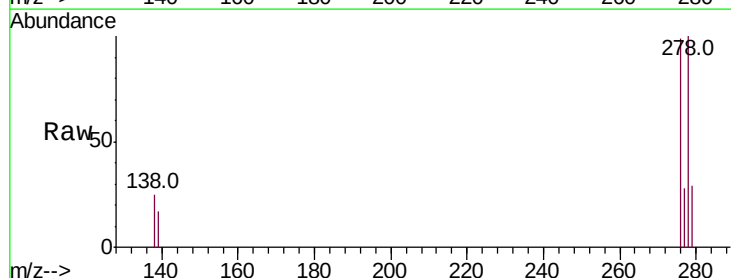
Tgt Ion:278 Resp: 7332

Ion Ratio Lower Upper

278 100

139 17.1 14.5 21.7

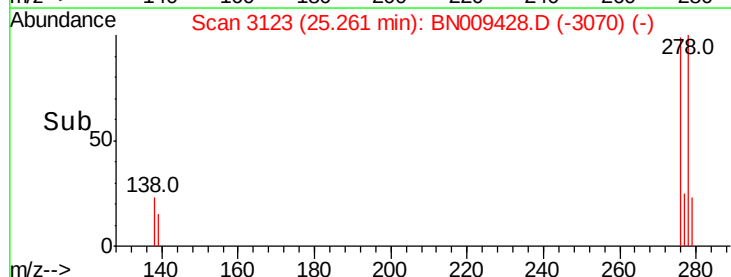
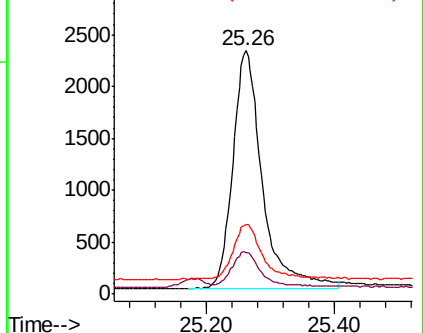
279 28.5 24.2 36.4

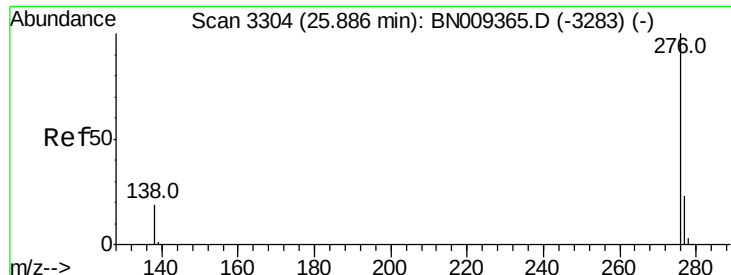


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.366 ng

RT: 25.87 min Scan# 3301

Delta R.T. -0.02 min

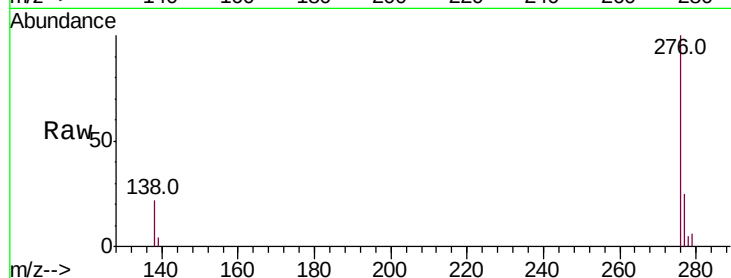
Lab File: BN009428.D

Acq: 23 Jan 2020 17:52

Instrument :

BNA_N

ClientSampleId :



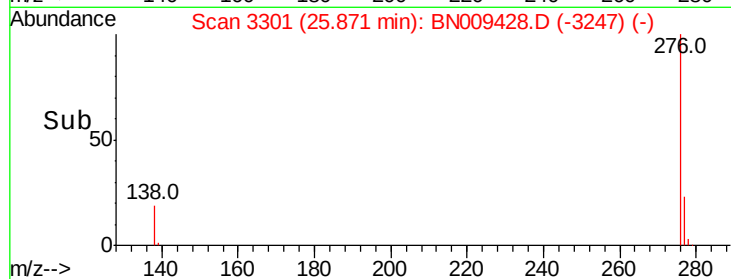
Tot Ion:276 Resp: 7955

Ion Ratio Lower Upper

276 100

277 25.1 20.6 30.8

138 21.5 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

